## **POOR LEGIBILITY**

# PORTIONS OF THIS DOCUMENT MAY BE UNREADABLE, DUE TO THE QUALITY OF THE ORIGINAL





NORTH LAKE SQUARE OFFICE PARK 1726 MONTREAL CIRCLE SUITE 20 TUCKER, GEORGIA 30084 (404) 938-7710

C-586-9-5-56

September 27, 1985

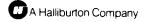
Mr. Jon Johnston Emergency and Remedial Response Branch Air and Waste Management Division Environmental Protection Agency 345 Courtland Street, N.E. Atlanta, Georgia 30365

Subject: Canadys' Abandoned Drum Site

Dear Mr. Johnston:

Enclosed please find the Hazard Ranking System (HRS) scoring and documentation for the Canadys' Abandoned Drum Site as prepared by NUS Corporation. Following a careful review of the file, the final score as computed by the State was reduced from 30.7 to 20.2 for the following reasons:

- 1. The air release was considered invalid based on the following:
  - (a) The HNU organic vapor detector probe was positioned approximately two inches from an opening in one of the drums, not in the breathing zone.
  - (b) There is no documentation, other than verbal assurances from the State, that the instrument was calibrated.
  - (c) There is no documentation of an upwind reading.
  - (d) Remedial action has taken place, eliminating the prime source of the contaminants. However, no follow-up sampling was conducted to confirm the completeness of the removal.
- 2. Net precipitation was computed to be four inches, reducing its value in the ground water route characteristics score from two to one.
- 3. The distance to the nearest surface water was computed to be .7 mile rather than 25 feet because of the intermittent nature of the nearby stream; the route characteristics score was reduced accordingly from six to four.



Mr. Jon Johnston Environmental Protection Agency September 27, 1985 - Page 2

Based on a final HRS score of 20.2, it is recommended that the Canadys' Abandoned Drum Site be eliminated from further consideration for the National Priorities List.

If you have questions or comments on how this site was scored, please contact me at (404) 938-7710.

Very truly yours,

Michael Profit

Environmental Health Scientist

MP/gwn

Enclosure

### Narrative Summary Canadys' Abandoned Drum Site

Canadys' Abandoned Drum Site is located on public property in a drainage ditch adjacent to State Highway 61, 3/4 mile west of State Highway 15 in Canadys, Colleton County, South Carolina.

The site is the location of the unauthorized dumping by unknown parties of four drums, apparently containing paint wastes. State officials inspected the site in July, 1984, and collected samples for laboratory analysis. Results of the analyses indicated the presence of toluene and benzene in the waste; and tetrachloroethane, chlorobenzene, and toluene in a soil sample collected near the drums.

An estimated 741 persons reside within a three mile radius of the site, utilizing private wells of unknown depths. No municipal supplies are available.

In August, 1984, SCA Services, contracted by the State, removed the drums and 4 to 5 cubic yards of contaminated surface soils.

Facility na	me: Canadys' Abandoned Drum Site
Location:	Canadys, Colleton County, South Carolina
EPA Regio	n: Region IV
Person(s) i	n charge of the facility:  Site is public property, adjacent to  State Highway 61
<b>Na</b> me of R	eviewer: Michael Profit Date: September 27, 1985
General de	scription of the facility:
substances; information  Canadys' A adjacent to Colleton C  The site is drums, app	ple: landfill, surface impoundment, pile, container; types of hazardous; location of the facility; contamination route of major concern; types of n needed for rating; agency action, etc.)  Abandoned Drum Site is located on public property in a drainage ditch o State Highway 61, 3/4 mile west of State Highway 15 in Canadys, ounty, South Carolina.  The location of the unauthorized dumping by unknown parties of four parently containing paint wastes. Laboratory analyses confirmed the following benzene, tetrachloroethane, and chlorobenzene in wastes and ted soils.
private wel	ted 741 persons reside within a three mile radius of the site, utilizing
4 to 5 cubic	1, 1984, SCA Services, contracted by the State, removed the drums and c yards of contaminated surface soils.
Score:	$S_{M} = 20.23 (S_{gw} = 34.60 S_{sw} = 5.31 S_{a} = 0)$ $S_{FE} = $ $S_{DC} = $

	G	ROUND WATER ROUTE WORK S	HEET	<b>F</b>		
	Rating Factor	Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)
1	Observed Release	<b>(9)</b> 45	1	0	45	3.1
		e is given a score of 45, proceed to line 4. e is given a score of 0, proceed to line 2.	•			
2	Route Characterist Depth to Aquifer of Concern		2	6	6	3.2
	Net Precipitation Permeability of the Unsaturated Zone		1	1 2	3 3	
	Physical State	0 1 2 3	1	3	3	,
		Total Route Characteristics Score		12	15	
3	Containment	0 1 2 3	1	3	3	3.3
4	Waste Characteris Toxicity/Persisten Hazardous Waste Quantity		1 1	18	18 8	3.4
		Total Waste Characteristics Score		19	26	
5	Targets Ground Water Use Distance to Neare: Well/Population Served		3 1	9 20	9 40	3.5
1		Total Targets Score	·	29	49	
<u></u>	=	multiply 1 × 4 × 5 nultiply 2 × 3 × 4 × 5		19836	57.330	
7	Divide line 6 b	y 57,330 and multiply by 100 Sgw = 3	4.61	)		

.

_	Rating Factor		Assigned (Circle 0		Multi-	Score	Max. Score
1	Observed Release		(G)	45	1	0	45
	If observed releas		value of 45, pro	_	_		
2	Route Characterist Facility Slope and Terrain		(i) 1 2 3	3	1	0	3
	1-yr. 24-hr. Rainfal Distance to Neare: Water		0 1 2 6		1 2	3 4	3 6
	Physical State		0 1 2 (3	<del></del>	1	3	3
_		101	al Route Chara	cteristics Scol	·	10	15
3	Containment		0 1 2 (3	D	1	3	3
4	Waste Characteris Toxicity/Persisten Hazardous Waste Quantity		0 3 6 9 0 1 2 3	12 15 (8)	1 8 1	18	18 8
		Tot	al Waste Chars	cteristics Sco	78	19	26
3	Targets Surface Water Use Distance to a Sens Environment		0 1 (2) 3	) 	3 2	60	9 6
	Population Served to Water Intake Downstream	Distance	0 4 6 8 12 16 18 20 24 30 32 35	1 10 ) i 40	1	0	40
			Total Targe	ts Score		6	55
							T

į

		AIR ROU	TE W	ORK SHEE	T			
Rating Factor			ned Va		Multi- plier	Score	Max. Score	Ref. (Section)
Observed Release	•	0		45	1	0	45	5.1
Date and Location	<b>1</b> :				. • _			
, Sampling Protoco	1:							
_		. Enter on line						
Waste Characteris Reactivity and Incompatibility Toxicity Hazardous Waste Quantity		0 1 0 1 0 1	2 3	4 5 6 7 8	1 3 1		3 9 8	5.2
		Total Waste (	Charact	eristics Score			20	
Targets Population Within 4-Mile Radius Distance to Sensi Environment Land Use		0 1	12 15 27 30 2 3	18	1 2		30 6 3	5.3
		Total 1	   Targets	Score			39	
Multiply 1 x	2 × 3						35,100	
5 Divide line 4 t	y 35,100	and multiply b	y 100	s O				

	s	s²
Groundwater Route Score (Sgw)	34.60	1197.16
Surface Water Route Score (S <sub>SW</sub> )	.5. 31	28.20
Air Route Score (Sa)	Ō	0
$s_{gw}^2 + s_{sw}^2 + s_a^2$		1225.36
$\sqrt{s_{gw}^2 + s_{sw}^2 + s_a^2}$		35.00
$\sqrt{s_{gw}^2 + s_{sw}^2 + s_a^2} / 1.73$		s <sub>M</sub> = 20, 23

WORKSHEET FOR COMPUTING  $\mathbf{S}_{\mathbf{M}}$ 

	Rating Factor	Factor Assigned Value Multi- (Circle One) , plier Score								Max. Score	Ref. (Section)	
Image: section of the content of the	Containment	1					3		1		3	7.1
2	Waste Characteristics											7.2
	Direct Evidence	0			3				1		3	
	Ignitability	0	1	2	3				1		3	
	Reactivity	0	1						1		3	
	Incompatibility	-	1	_					1		3	
	Hazardous Waste Quantity	0	1	2	3	4	5	6 7 8	3 1	•	8	
		Total Wa	ste	Cha	rac	teri	stic	s Score			20	
3	Targets						_			L		7.3
	Distance to Nearest	0	1	,	3	4	5		1		5	1.3
	Population	·	•	•	•	•	•		10		•	
	Distance to Nearest	0	1	2	3				1		3	
	Building											
	Distance to Sensitive	0	1	2	3				1		3	
	Environment	•	_	_	_				_			
	Land Use Population Within	0	1	2	3		5		1		3 5	
	2-Mile Radius	V	•	-	3	-	7		,		3	
	Buildings Within 2-Mile Radius	0	1	2	3	4	5		, 1		5	
		то	tal	Tar	geti			)			24	
1	Multiply 1 x 2 x	3									1,440	

		DIRECT CONTACT WO	RK SHEET		
	Rating Factor	Assigned Value (Circle One)	Multi- plier	Score Max. Score	Ref. (Section)
1	Observed Incident	0 45	1	45	8.1
	If line 1 is 45, proceed if line 1 is 0, proceed	_	•		
2	Accessibility	0 1 2 3	1	3	8.2
3	Containment	0 15	1	15	8.3
4	Waste Characteristics Toxicity	0 1 2 3	5	15	8.4
<b>5</b>	Targets Population Within a 1-Mile Radius Distance to a Critical Habitat	0 1 2 3 4 5	<b>4 4</b>	20 12	8.5
		Total Targets Score		32	
8	If line 1 is 45, multiply If line 1 is 0, multiply	ny 1 × 4 × 5 y 2 × 3 × 4 × 5		21,600	

SDC -

Divide line 6 by 21,600 and multiply by 100

#### DOCUMENTATION RECORDS FOR HAZARD RANKING SYSTEM

<u>INSTRUCTIONS</u>: As briefly as possible summarize the information you used to assign the score for each factor (e.g., "Waste quantity = 4,230 drums plus 800 cubic yards of sludges"). The source of information should be provided for each entry and should be a bibliographic-type reference. Include the location of the document.

**FACILITY NAME:** 

Canadys' Abandoned Drum Site

LOCATION:

Canadys, South Carolina

DATE SCORED:

September 27, 1985

PERSON SCORING:

Michael Profit

PRIMARY SOURCE(S) OF INFORMATION (e.g., EPA region, state, FIT, etc.):

**EPA Region IV** 

FACTORS NOT SCORED DUE TO INSUFFICIENT INFORMATION:

None

**COMMENTS OR QUALIFICATIONS:** 

#### **GROUND WATER ROUTE**

#### 1 OBSERVED RELEASE

Contaminants detected (5 maximum):

None

Rationale for attributing the contaminants to the facility:

None

\* \* \*

#### 2 ROUTE CHARACTERISTICS

Depth to Aquifer of Concern Value 3; Score - 6

Name/description of aquifer(s) of concern:

The shallow aquifer extends from the surface for approximately 50 feet to the Cooper formation, a confining layer, which extends to approximately 200 feet, the top of the Limestone Aquifer.

Reference 1.

Depth(s) from the ground surface to the highest seasonal level of the saturated zone (water table(s)) of the aquifer(s) of concern:

10 feet.

Reference 2.

Depth from the ground surface to the lowest point of waste disposal/storage:

Wastes were located on the ground surface.

Reference 3.

Net Precipitation Score - 1
Mean annual or seasonal precipitation (list months for seasonal):
48 inches.
Reference 4.
Mean annual lake or seasonal evaporation (list months for seasonal):
44 inches.
Reference 4.
Net precipitation (subtract the above figures):
4 inches.
Permeability of Unsaturated Zone Score - 2
Soil type in unsaturated zone:
Fine to medium sands and silts with some clays.
References 1, 15.
References 1, 17.
Permeability associated with soil type:
10 <sup>-3</sup> 10 <sup>-5</sup> cm/sec; corresponds to an assigned value of 2.
Reference 5.
Reference 3.
Physical State Score - 3
Physical state of substances at time of disposal (or at present time for generate gases):
Liquid.
Reference 3.

#### 3 CONTAINMENT

Containment Score - 3

#### Method(s) of waste or leachate containment evaluated:

Containers (drums) leaking and no liners.

Reference 3.

#### Method with highest score:

Containers (drums) leaking and no liners

Reference 3.

#### **4 WASTE CHARACTERISTICS**

Toxicity and Persistence Toxicity Value - 3; Persistance Value - 3;

Matrix Score - 18

#### Compound(s) evaluated:

Laboratory analyses of waste and soil samples collected by the State revealed the following compounds:

Benzene Toluene 1,1,2,2-tetrachloroethane chlorobenzene

Reference 6.

#### Compound with highest score:

1,1,2,2-tetrachloroethane

Reference 14.

Hazardous Waste Quantity

Score - 1

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

4 drums

Reference 3.

Basis of estimating and/or computing waste quantity:

Site inspection 7/13/84

Reference 3.

#### 5 TARGETS

Ground Water Use Value - 3; Score - 9

Use(s) of aquifer(s) of concern within a 3-mile radius of the facility:

Drinking

Reference 7.

Distance to Nearest Well

Value - 4; Matrix Score - 20

Location of nearest well drawing from aquifer of concern or occupied building not served by a public water supply:

The nearest dwelling (not necessarily the nearest well) is located 0.18 mile northwest of the site. It is assumed to be occupied.

Reference 8.

Distance to above well or building:

0.18 mile.

#### Population Served by Ground Water Wells Within a 3-Mile Radius

Value - 2; Matrix Score - 20

Identify water-supply well(s) drawing from aquifer(s) of concern within a 3-mile radius and populations served by each:

Based on a house count using topographic maps, there are 195 dwellings within a three mile radius of the site. Assuming 3.8 persons per dwelling as specified in the Mitre Corporation Users' Manual, there are an estimated 741 persons residing within a three mile radius of the site.

References 5, 8, 9.

Computation of land area irrigated by supply well(s) drawing from aquifer(s) of concern within a 3-mile radius, and conversion to population (1.5 people per acre):

The groundwater is not used for irrigation purposes.

Reference 16.

Total population served by ground water within a 3-mile radius:

741

#### **SURFACE WATER ROUTE**

1 OBSERVED RELEASE

Score - 0

Contaminants detected in surface water at the facility or downhill from it (5 maximum):

None

Rationale for attributing the contaminants to the facility:

None

\* \* \*

#### 2 ROUTE CHARACTERISTICS

Facility Slope and Intervening Terrain Score - 0
Average slope of facility in percent:
3%
Reference 8.
Name/description of nearest downslope surface water:
Edisto River
Reference 8.
Average slope of terrain between facility and above-cited surface water body in percent:
3%
Reference 8.
Is the facility located either totally or partially in surface water?
No
Reference 8.
Is the facility completely surrounded by areas of higher elevation?
No Reference 8.
1-Year 24-Hour Rainfall in Inches Score - 3
3.5 inches
Reference 10.

#### Distance to Nearest Downslope Surface Water

Value - 2; Score - 4

.7 mile

References 8, 9.

#### Physical State of Waste

Score - 3

Liquid

Reference 3.

\* \* \*

#### **3 CONTAINMENT**

Containment Score - 3

Method(s) of waste or leachate containment evaluated:

Containers (drums) leaking and no liners.

Reference 3.

#### Method with highest score:

Containers (drums) leaking and no liners.

Reference 3.

#### **4 WASTE CHARACTERISTICS**

#### Toxicity and Persistence

Toxicity Value - 3; Persistence Value - 3; Matrix Score - 18

#### Compound(s) evaluated

Laboratory analyses of waste and soil samples collected by the State revealed the following compounds:

Benzene Toluene 1,1,2,2-tetrachloroethane chlorobenzene

Reference 6.

#### Compound with highest score:

1,1,2,2-tetrachloroethane

Reference 14.

#### Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

Score - 1

4 drums

Reference 3.

Basis of estimating and/or computing waste quantity:

Site inspection 7/13/84

Reference 3.

\* \* \*

#### 5 TARGETS

Surface Water Use Value - 2; Score - 6

Use(s) of surface water within 3 miles downstream of the hazardous substance:

Edisto River actively used for recreational purposes.

Reference 13.

#### Is there tidal influence?

No

References 8, 9.

#### Distance to a Sensitive Environment

Score - 0

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

None identified

References 8, 9.

#### Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

None identified

References 8, 9.

Distance to critical habitat of an endangered species or national wildlife refuge, if 1 mile or less:

None identified

Reference 17.

#### Population Served by Surface Water

Distance to Water Intake; Value - 0; Matrix Score - 0

Location(s) of water-supply intake(s) within 3 miles (free-flowing bodies) or 1 mile (static water bodies) downstream of the hazardous substance and population served by each intake:

None Reference 12.

Computation of land area irrigated by above-cited intake(s) and conversion to population (1.5 people per acre):

None

Reference 16.

#### Total population served:

There are no drinking water intakes within three miles downstream of the site.

Reference 12.

Name/description of nearest of above-cited water bodies:

Not applicable

Distance to above-cited intakes, measured in stream miles.

Not applicable

#### AIR ROUTE

1	ODSERVED RELEASE	3cor e = 0
Noi	ne	
Cor	ntaminants detected:	
Dat	te and location of detection of	contaminants
Me	thods used to detect the contar	minants:
Rat	tionale for attributing the cont	aminants to the site:
		* * *
2	WASTE CHARACTERISTICS	
Rea	activity and Incompatibility	
Mos	st reactive compound:	
Mos	st incompatible pair of compou	nds:

Toxicity
Most toxic compound:
Hazardous Waste Quantity
Total quantity of hazardous waste:
Basis of estimating and/or computing waste quantity:
* * *
3 TARGETS
Population Within 4-Mile Radius  Circle radius and size angulation and indicate how determined
Circle radius used, give population, and indicate how determined:
Distance to a Sensitive Environment
Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:
Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:
,,,
Distance to critical habitat of an endangered species, if 1 mile or less:

Land Use
Distance to commercial/industrial area, if 1 mile or less:
Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:
Distance to residential area, if 2 miles or less:
Distance to agricultural land in production within past 5 years, if 1 mile or less:
Distance to prime agricultural land in production within past 5 years, if 2 miles or less:
Is a historic or landmark site (National Register of Historic Places and National Natural Landmarks) within the view of the site?

			<del></del>
CONTROL NO:	<b>DATE</b> : 9/	3 ml 18/85	TIME: 1115
CICTOIDUTION			
DISTRIBUTION:			
BETWEEN:		OF: S.C. DHEC, Dir. o	f PHONE:
Don Duncan		Groundwater Prot. Di	(803)758-5213
Mike Profit			(NUS)
DISCUSSION: Indicated that soils above t	the shall	ow aquifer are fine to	o medium sands and silts
with some clays. Confirmed	that gro	oundwater table is less	s than 10 feet. Indicated
that shallow aquifer extends	to appr	oximately 50 feet when	re it meets the Cooper
formation, the confining lay	ver. Coo	per formation extends	to approximately 200 feet,
the top of the Limestone Aqu	uifer.		
ACTION ITEMS:			
ACTION TILMS.			
	<del></del>		

TELECON NOTE

NUS CORPORATION

NUS CORPORATION				7	ELECON NOTE	
CONTROL NO:	DATE:		TIME	:		
	9,	/3/85		1045		
DISTRIBUTION:	<u>i</u>				<u> </u>	
		<b></b>				
BETWEEN:		OF: S.C. Water Res Comm.	ources	<b>PHONE</b> : <b>(</b> 803	758-2514	
Kevin Meadows		COMMI.		1003	750-2514	
Mike Profit M		·			(NUS)	
DISCUSSION: Responded to my question re	denth to	the challow aquife	ها ۔ م	cc than 10	foot	
Estimated the depth to the						
and the depth to the top of	the Sant	ee Limestone (Flori	dan) Ad	quifer as a	<u>pproximately</u>	
200 feet. Also indicated t	hat most	new wells in the ar	ea are	completed	in the	
deeper aquifer. Only very	oldest we	lls completed in the	e shal	low. Refer	red me to	
S.C. Geological Survey re permeability of unsaturated zone.						
ACTION ITEMS:		<del></del>				
	<del></del>					
			<u>-</u> -			

### Sou Carolina Departmen of Health and Environmental Control

2600 Bull Street Columbia, S.C. 29201

Commissioner Robert S. Jackson, M.D.



Moses H. Clarkson, Jr., Chairman Leonard W. Douglas, M.D., Vice-Chairman Barbara P. Nuessle, Secretary Gerald A. Kaynard Oren L. Brady, Jr. James A. Spruill, Jr. William H. Hester, M.D.

#### **MEMORANDUM**

TO:

Canady's Abandoned Drum Site File - Colleton County

FROM:

Wilson C. Miles, Jr. Werrije

Environmental Engineer

Bureau of Solid & Hazardous Waste Management

SUBJECT:

Canady's Abandoned Drum Site Inspection - RCRA 3012 Program

DATE:

July 19, 1984

On July 13, 1984 Charlie Strange, John Cresswell, and this writer, of the Central Office, met Gary Dukes and Fred Sanford of the Low Country District at the intersection of Highway 21 and Highway 61 at about 9:15 a.m. Gary Dukes, the district hazardous waste consultant proceeded to show us the site location.

Upon arrival at the site location, it became apparent that four drums containing an unknown material had been dumped in the ditch on the southern side of Highway 61, east of I-95 and west of Highway 15. At this time we decided to approach the site monitoring for both combustible gases and volatile organic vapors using the Combustible Gas Indicator/Oxygen Meter (CGI/O2 meter) and the HNU.

Use of the CGI/O2 meter yielded no deflection in either the atmosphere around the drums or in the space inside the drums. However, use of the HNU yielded a maximum of two (2) parts per million (ppm) in the area immediately around the drums and readings of up to five hundred (500) ppm inside the open drums using a spanpot setting of 2.5 (see attachment).

Use of the Drager tubes yielded a positive result in the benzene sensitive tube. The approximate measurement obtained from drum C was 10 ppm. It was during this time that Rick Tobin of the Walterboro weekly newspaper, Press & Standard, took photographs of the site inspection in progress.

After the initial monitoring was completed, sampling began to take place. One waste and two sediment samples were taken by this writer who was assisted by Charlie Strange.

Sample #1 (Can - 1) - waste sample from drum C

Sample #3 (Can -  $\bar{3}$ ) - potentially contaminated sediment outside of drums A and D Sample #2 (Can - 2) - background sample located off Highway 61 east of the site

Page Two July 19, 1984

Disposable trowels and scoops were used to put the sample into the containers. However, a glass drum thief was used to sample drum C. Disposable gloves were worn at all times during sampling and were changed between samples. Each sample was immediately placed on ice in a cooler.

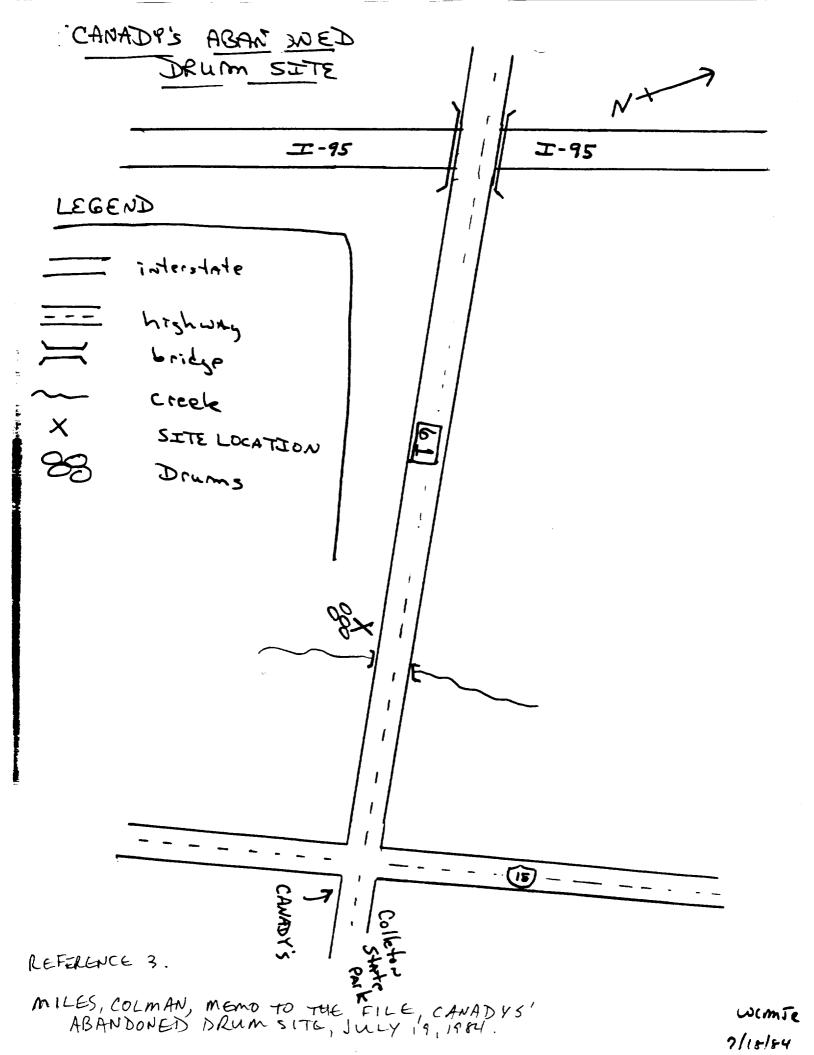
The sampling of this site was performed between 10:50 and 11:10 a.m. The weather conditions were clear, humid, with little breeze. The temperature was near 90 (degrees Fahrenheit).

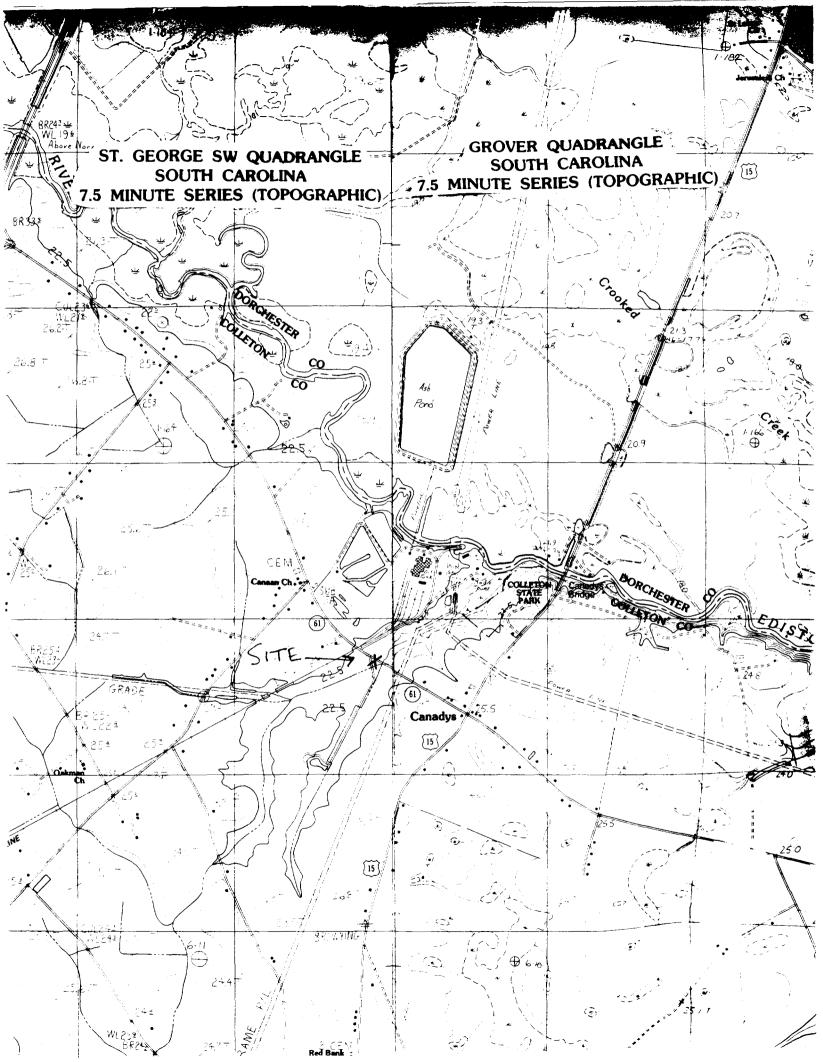
During the sampling, a park ranger (Colleton State Park) stopped by as well as a local property owner.

After all sampling took place, the samples were turned in to the DHEC Laboratory at 4:50 p.m. on July 13, 1984. The laboratory custodian, John Wheeler, checked samples in, accepted custody of the samples, and signed the chain of custody form. The analysis run on all samples are tlashpoint, pH, metals (As, Ba, Cd, Cr, Pb, Mn, Hg, Ni, Se, Ag), volatile organics and acid-base-neutral extractables. The samples were held for E.P.

WCM:bes

cc: Gary Dukes, Low Country District Bob Sentelle





## SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL Environmental Quality Control Analytical Services Data Sheet for Solid Waste and Hydrology

Sample Type grab Comments Hold Zov E. A. Collected by Coleman Miles An "X" in the small column indicates test requested + Charles Strange Time Collected (Milit.) Sample Point CAN-Z CAN-3 CAN-1 (AN-) Lab No. 11:05 10:50 NH2-N, mg/1 Calcium  $NO_3/NO_2-N$ , mg/1 Magnesium TKN Sodium Nitrite, N, mg/l Potassium T-P, Arsenic \*\* Hardness, mq/1 Barium \*\* Cadmi um C1, mg/1\*\* Chromium  $SO_4 mg/1$ Flashpoint, OF N 15 TIC Copper 115 Solids, Total, mg/l Iron Solids, Tot. Diss, mg/l Lead \*\* Solids. % Manganese рΗ Mercury \*\* Nickel Alkalinity mg/l \*\* Selenium Fluoride, mg/l \*\* Silver TOC Zinc Phenols, µg/l COD Cyanide, mg/l MBAS, mg/1 \*Whatesto amalyse due to Low Pashpoint \*\*Results to be released at a later dat Date Received in Regional Laboratory\_ by Date Released from Regional Laboratory Date Received in Central Laboratory by Date Released from Spec & A. A. Section by AM Date Released from Metals Section

White - Program; Yellow - Program; Pink - Program; Gold - Lab

# SOUTH CALINA PARTMENT OF HEALTH AND ENVIRON ITAL CONTROL environmental Quality Control Analytical Services Data Sheet for Solid Waste and Hydrology

ab No.  H:3-N, mg/l  O3/NO2-N, mg/l  KN  itrite, N, mg/l  -P,  ardness, mg/l  1, mg/l  O4 mg/l  lashpoint, OF  olids, Total, mg/l  olids, Tot. Diss, mg/l  olids, %  H  lkalinity mg/l  luoride, mg/l  OC	An "X" in the small column indicates test requested    CAN-1
ample Point ab No.  H:3-N, mg/1  O3/NO2-N, mg/1  KN  itrite, N, mg/1  -P,  ardness, mg/1  1, mg/1  O4 mg/1  lashpoint, OF  olids, Total, mg/l  olids, Tot. Diss, mg/l  olids, %  H  lkalinity mg/l  luoride, mg/l  OC	Calcium  Magnesium  Sodium  Potassium  Arsenic k  Barium k  Cadmium k  Chromium k  Copper  Iron  Lead X
H:3-N, mg/1  03/N02-N, mg/1  KN  itrite, N, mg/1  -P,  ardness, mg/1  1, mg/1  04 mg/1  lashpoint, OF  olids, Total, mg/1  olids, Tot. Diss, mg/1  lkalinity mg/1  luoride, mg/1  0C	Calcium  Magnesium  Sodium  Potassium  Arsenic k  Barium k  Cadmium k  Chromium k  Copper  Iron  Lead X
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03/N02-N, mg/l  KN  itrite, N, mg/l  -P,  ardness, mg/l  1, mg/l  04 mg/l  lashpoint, OF  olids, Total, mg/l  olids, Tot. Diss, mg/l  olids, %  H  lkalinity mg/l  luoride, mg/l  OC	Calcium  Magnesium  Sodium  Potassium  Arsenic k  Barium k  Cadmium k  Chromium k  Copper  Iron  Lead x
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ос	Nickel x
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OD I	
yanide, mg/l	
BAS, mg/1	Remarks: be xiCould not analysecoluctulous flishpoint
Date Received in Regional Laboratory	by
Date Released from Regional Laboratory	by
Date Received in Central Laboratory XXXXX 07	7/13/84by JDW
Date Released from Spec & A. A. Section	by

DHEC 40-89 (01/81)

White - Program; Yellow - Program; Pink - Program; Gold - Lab

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL Environmental Quality Control
Analytical Services Data Sheet for Organic Compounds in Solid Waste and Hydrology Samples

(-, 1,1)-

Sample 4 Nady's Location	county Colleton					
Sample Type & rab		Comments				
Date 7-13-84 Collec	te	d By ColeNan	4	Ves An "X" i	n	the small column
+(	J	arles Stuar	_	indicate	:5	test requested.
Time Collected (Milit.)		19		50		21
Station No.	1	(AN-1	П	(AN->	$  \cdot  $	CA11-3
Lab. No.	1	10:50	П	11105	П	11:10
Chlorinated hydrocarbons, µg/l	T		П		П	
Endrin, mg/l	T		П	1,		
Lindane, mg/l	T				П	
Methoxychlor, mg/l			П		П	
Toxaphene, mg/1	1		П		П	
	T				Ħ	
Organophosphates, µg/1	T		П			
	T		П			
	T		П		П	
PCBs, µg/1	1		П		П	
			П		T	**************************************
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Other	T		Ħ			
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Comments **Results reported 08	/1	.3/84.		·-·		
***Results reported 09	12	6/84.				
@ Results reported 1	1/	15/84.				
Date Received in Regional Labor		-	<u></u>	By		
Date Released from Regional Lab		7		By		
Date Received in Central Labora	to			By		<del></del>
Date Released from Organic Sect	io	n 11/3/80		By Africk	R	(amo)
WhiteProgram; YellowProgram; PinkLab; GoldProgram						

DHEC 40-90 (09/81)

### SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL ANALYTICAL SERVICES DIVISION

#### REPORT OF ORGANIC ANALYSIS

Sample Location:

CANADY'S SITE

Sample Type: WASTE

Date of Collection:

07/13/84

Collected by: COLEMAN/MILES

Sample Number:

SW 19

#### **VOLATILE ORGANICS:**

1) benzene

5.4 mg/kg

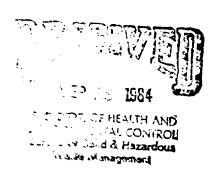
2) toluene

90.2 mg/kg

3) 5-methyl-1H-tetraazole

4) methyl cyclopentane

- 5) 1,1-dimethyl cyclopentane
- 6) (chloromethyl) benzene
- 7) bicyclo\2.2.2\octane
- 8) cis-octahydro-pentalene
- 9) cis-1,2-dimethyl-cyclohexane
- 10) 1-propyl spiropentane
- 11) 2-octyne
- 12) ethyl cyclohexane
- 13) tricyclo\3.3.1.13,7\decane
- 14) cis-1,3-dimethyl-cyclohexane
- 15) 1,1,3-trimethyl cyclohexane
- 16) 1-methyl-octahydro-pentalene
- 17) 1,3,5-trimethyl-(1.alpha., 3.alpha., 5 alpha.)-cyclohexane
- 18) 1.2.3-trimethyl cyclohexane
- 19) propyl ester/cyanic acid
- 20) benzene carbothioic acid



Reported by Adillians

Date alaly

RECEIVE

#### SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL AUG 14 1984 ANALYTICAL SERVICES DIVISION

S. C. DEPT, OF HEALTH AN Ethyling Wiles TAL CONTROL Surcau of Solid & Hazardon Waste Managentent

#### REPORT OF ORGANIC ANALYSIS

Sample Location:

CANADY'S SITE

Sample Type:

SEDIMENT

Date of Collection:

JULY 13, 1984

Collected by: MILES

**STRANGE** 

Sample Number:

SW 20, SW 21

SW 20 -- VOLATILE ORGANICS:

1) toluene

 $21.6 \, \mu g/kg$ 

2) 1,1,2,2-tetrachloroethane

 $26.5 \mu g/kg$ 

3) 3-chloro-1-propene

4) 1-(2-propenyloxy)-heptane

5) 1,3-dimethyl-benzene

SW 21 -- VOLATILE ORGANICS:

1) 1,1,2,2-tetrachloroethane

 $51.9 \mu g/kg$ 

2) toluene

 $36.9 \mu g/kg$ 

3) chlorobenzene

 $55.0 \mu g/kg$ 

4) 5-methyl-lH-tetrazole

5) methyl-cyclohexane

6) Bicyclo\3.2.1\octane

7) cis-octahydro-pentalene

8) 1,1-dimethyl-cyclohexane

9) 2,4-dimethy1-3-pentanone

10) cis-1,2-dimethyl-cyclohexane

11) 2-octyne

12) ethyl-cyclohexane

13) 1,1'-ethylidene bis-cyclopentane

14) 2,3,4,5,6,7-hexahydro-1H-inden-1-one

15) 1,1,3-trimethyl-cyclohexane

16) cis-octahydro-lH-indene

17)  $(1.\alpha.,3.\alpha.,5.\alpha)-1,3,5$ -trimethyl-cyclohexane

18) cyanicacid, propylester

Williama Reported by

Date 1/13/54

## SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL ANALYTICAL SERVICES DIVISION

#### REPORT OF ORGANIC ANALYSIS

Sample Location:

CANADY'S SITE

Sample Type: GRAB

Date of Collection:

JULY 13, 1984

Collected by: MILES &

STRANGE

Sample Number:

SW 19

#### BASE-NEUTRAL/ACID EXTRACTABLES:

- (1) 2,3-dimethyl-cyclobutane
- (2) 1-bromo-4-methyl-cyclohexane
- (3) 2,4-dimethyl hexane
- (4) trans-1-methyl-2-(2-propenyl)cyclopentane
- (5) 2,2,3,3-tetramethyl pentane
- (6) propyl cyclohexane
- (7) 2,6-dimethyl-octane
- (8) 4-(1-methyl ethyl)-heptane
- (9) 3-ethyl-2-methyl-heptane
- (10) 1-ethyl-2-methyl-benzene
- (11) 2,3,4,5-tetrahydropyridine
- (12) 1,2,3-frimethyl benzene
- (13) 5-ethyl-2-methyl-heptane
- (14) 2-bromo-octane
- (15) alpha-methyl-benzene acetaldehyde
- (16) trans-decahydro-naphthalene
- (17) 1-methyl-2-(1-methylethyl)-benzene
- (18) 1-bromo-4-methyl-cyclohexane
- (19) 2,2,3,3-tetramethyl hexane
- (20) 2-methyl-undecane
- (21) 3-bromo-decane
- (22) tridecane
- (23) 4-ethy1-5-methy1-thiazole
- (24) 2-methyl-butylester-propanoic acid
- (25) undecane
- (26) 2,3-dihydro-3-methyl-1H-iden-1-one
- (27) decahydro-1,1,7-trimethyl-4-methylene-1AR-(1H-cycloprop)-E-azulene
- (28) methylester, 2-5-octadecadiynoicacid
- (29) 2-methy1-3,5-dodecadiyne
- (30) 1-(1,1-dimethyl ethyl)-3-methyl-benzene

		powilliand
Reported	bу	(low we cand

Date 11/15/84

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## SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL ANALYTICAL SERVICES DIVISION

#### REPORT OF ORGANIC ANALYSIS

Sample Location:

CANADY'S SITE

Sample Type: GRAB

Date of Collection: 07/13/84

Collected by: MILES &

STRANGE

Sample Number:

SW 20, SW 21

#### SW 20 -- BASE NEUTRAL/ACID EXTRACTABLES:

(1) 3,5-bis(1,1-dimethylethyl)-phenol

- (2) 2-methyl-1-(1-dimethylethyl)-2-methyl-1,3-propan-propanoic acid
- (3) N, N-diphenyl-hydrazinecarboxamide
- (4) 5,7-dimethyl-undecane

#### SW 21 -- BASE NEUTRAL/ACID EXTRACTABLES:

- (1) 2-propy1-1-heptanol
- (2) 3,5-dimethyl-octane
- (3) 4-methy1-2-propy1-1-pentanol
- (4) 0-decyl-hydroxylamine
- (5) 2-methyl-nonane
- (6) 3-methyl-nonane
- (7) 2-methy1-4-(2-methy1 propy1)-cyclopentanone
- (8) decane
- (9) 5-ethyl-2-methyl-heptane
- (10) 4-methyl-5-propyl-nonane
- (11) 2-methyl-decane
- (12) 5-(1-methyl propyl)-nonane
- (13) 2-propyl-1-heptanol
- (14) heptyl hexyl ether
- (15) decahydro-2-methyl-napthalene
- (16) (4-methylpentyl)-cyclohexane

Reported by Minibian Date 11/30/94

THE REAL PROPERTY AND ADDRESS OF THE PARTY AND

		<del>-</del>		
CONTROL NO:	DATE:		TIME	:
		3/26/85		1045
DISTRIBUTION:			<u></u>	
DISTRIBUTION.				
BETWEEN:		OF:		PHONE:
Colman Miles		SCDHEC		(803 ) 758-5681
AND:				, ,
Mike Profit N				(NUS)
	<u> </u>			(NOS)
DISCUSSION:		an fau Camadual Duim	Diam	7
Discussed documentation of	air relea	ise for Canadys' Drum	וטsp	osai area.
Documentation of release is	containe	ed in memo to the file	dat	ed July 19, 1984,
attached to SI form. No do	cumentati	on of calibrationof H	INU (	although he says
	<del>-</del> · ·			
it was done). No indication			01 2	ppm was detected " a
couple of inches" from drum	orifice.	·		
	<del></del>			
ACTION ITEMS:	<del></del>			
		<del></del>		

TELECON NOTE

NUS CORPORATION

NUS CORPORATION				TELECON NOT	Ε
CONTROL NO:	DATE:			TIME:	_
CONTROL NO.	9/13/	<b>'</b> 85		1600	
DISTRIBUTION:					
BETWEEN: Pam Garnsie, Admin. Environmental Sanitation	Spec. A,	OF: Colleton Health	n <del>City</del> Cow Dept.	( 803 ) 549-1516	
AND: Mike Profit				(NUS	S)
DISCUSSION:					
Discussed water supply in (	Canadys ar	rea. Confirm	med for me	that all residents in a	_
three mile radius of the Ca	anadys Dru	ım Disposal a	area are o	n private wells, depth	_
unknown.					_
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NUS CORPORATION				TELECON NOTE
CONTROL NO:	DATE:		TIME	
CONTROL NO.		′28/85		0930
DISTRIBUTION:	<u> </u>			
BETWEEN:		OF: S.C. Wi	ldlife & Marine	PHONE:
John Steely		Resources	ldlife & Marine Dept. (Wildlife in Non-game	( <sub>803</sub> ) <sub>758-0007</sub>
AND:		Endangered	Species D.v.)	003 / / 03 000/
Mike Profit				(NUS)
DISCUSSION:				
Confirmed that there are no	official	ly designa	ted critical ha	bitats for endangered
species in all of South Car	olina.			
			<u> </u>	
			<u> </u>	
			<u> </u>	
	·			
			- <del></del>	
ACTION ITEMS:				
	<u> </u>	- <del></del>		
	··			

## State of South Carolina Water Resources Commission



Alfred H. Vang Executive Director

September 9, 1985

Mike Profit NUS corporation 1726 Montreal Circle Suite 20 Tucker, Georgia 30084

Dear Mr. Profit:

This letter is in response to your telephone request for information on specific ground water and surface water users.

The area of interest centers near the Canady's area of Colleton County, on the south bank of the Edisto River, centered at Latitude 33° 03' 31½" and Longitude 80° 37' 39.6", extending out in a 3-mile radius. The area of interest ranged roughly from 33° 01' 00"/80° 34' 40' to 33° 06' 30"/80° 40' 39".

Most of the area of interest lies within the Edisto River basin except for the southern sector which covers the upper drainage of Ireland Creek, which confluences with the Ashepoo River.

The only major water user, those using more than 100,000 gallons per day, located within the area of interest is the SCE&G Canady's thermoelectric power generation station, located at 33°03'50"/80°37'20". It has two surface water withdrawal pump systems together capable of withdrawing of 184.2 million gallons per day, maximum. The water is returned to the river near by. Average usage is 130. million gallons per day in 1984. SCE&G also has a 6" well, 375' deep, used for potable water supply, located at 33°03'50'/80°37'12". The well is open hole from 102' to 375' in the Floridan aquifer. Usage is unknown

One other well is located in the area of interest, near Round-O, at  $33^{\circ}$  02'  $49''/80^{\circ}$  34' 50". This is a 6" well, used for stock and domestic supplies, of unknown depth, with a  $1\frac{1}{2}$  hp deep water jet pump.

Our files show no other ground or surface water sources in the area of concern. If you have any further questions do not hesitate to contact me.

Sincerely,

Joe Harrigan

Ground Water Geologists

JH/vla



Soil Conservation Service In Cor ration with the South rolina
Agricultural Experiment Station and the South Carolina
Land Resources
Conservation Commission

# Soil Survey of Colleton County South Carolina



NUS CO	RPORATION				TELECON NOTE
CONTROL N	O:	DATE:		TIME	
		9/	24/85		1400
DISTRIBUTIO	ON:				-
BETWEEN:	Leon Langley, Jr	·.	OF: Clemson Un Extension Agric Economist	iversity cultural	PHONE: (803) 549-5595
AND:	Mike Profit N				(NUS)
DISCUSSION	l:				
			<del></del> -		s area. To the best of
_					the Canadys Abandoned
	Drum Site uses	groundwater	or surface wate	er for irri	gation purposes.
				<del></del>	
			<del></del>		
	<u>,</u>			<del> </del>	
ACTION ITEM	ns:				
			<u> </u>		
<del></del>					

#### References

- 1. Duncan, Don, South Carolina Department of Health and Environmental Control, personal communication, September 3, 1985.
- 2. Meadows, Kevin, South Carolina Water Resources Commission, personal communication, September 3, 1985.
- 3. Miles, Wilson C., Jr., memo to the file, Canadys' Abandoned Drum Site, July 19, 1984.
- 4. Climatic Atlas of U.S., 1979. U.S. Department of Commerce, National Climatic Center, Ashville, North Carolina.
- 5. Uncontrolled Hazardous Waste Site Ranking System A Users Manual, Mitre Corporation, McLean, Virginia, prepared for the U.S. Environmental Protection Agency, August, 1982.
- 6. South Carolina Department of Health and Environmental Control, Analytical Services Division, attachment to the file, Canadys' Abandoned Drum Site.
- 7. Garnsie, Pam, Colleton County Health Department, personal communication, September 13, 1985.
- 8. U.S. Geologic Survey, St. George Quadrangle, 7.5 minute series, South Carolina, 1982.
- 9. U.S. Geologic Survey, Grover Quadrangle, 7.5 minute series, South Carolina, 1982.
- 10. Rainfall Frequency Atlas of the U.S., 1940. Technical Paper No. 40, U.S. Department of Commerce, U.S. Government Printing Office, Washington, D.C.
- 11. Steely, John, South Carolina Wildlife and Marine Resources Department,
  Non-game Endangered Species Division, personal communication,
  August 28, 1984.
- 12. Harrrigan, Joe, South Carolina Water Resources Commission, personal communication, September 9, 1985.
- 13. Langley, Leon H., Extension Agricultural Economist, Clemson University, personal communication, September 19, 1985.
- 14. Sax, N.I. Dangerous properties of industrial materials. Van Nostrand Reinhold Company. Sixth Edition.
- 15. U.S. Department of Agriculture, Soil Survey of Colleton County, South Carolina, p. 17, December, 1982.
- 16. Langley, Leon H., Extension Agricultural Economist, Clemson University, personal communication, September 24, 1985.

 U.S. Department of the Interior, Fish and Wildlife Service, Endangered and Threatened Wildlife and Plants, August 23, 1985.

## U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF EMERGENCY AND REMEDIAL RESPONSE C E R C L I S V 1.2

PAGE: 127 RUN DATE: 05/27/87 RUN TIME: 18:43:30

#### M.2 - SITE MAINTENANCE FORM

			* ACTION:	_		
EPA ID : SCD980840631						
SITE NAME: CANADY'S ABANDONE	D DRUM SITE	SOURCE: R	*		<u> </u>	
STREET : JCT US HWY 15 & S	C HWY 61	CONG DIST: 01	*		<del></del>	~
CITY : CANADY		ZIP: 29433 * _			_	^
CNTY NAME: COLLETON		CNTY CODE : 029	*			
LATITUDE : 33/03/24.0	LONGITU	DE : 080/37/12.0	· _/_/			//
LL-SOURCE: R		LL-ACCURACY:	* -			_
SMSA :	HYDRO	UNIT: 03050205	*			**************************************
INVENTORY IND: Y REMEDIAL I	ND: Y REMOVAL IND: '	Y FED FAC IND: N	* -	<del>-</del> -	-	-
NPL IND: N NPL LISTING DA	TE: NPL DELIST	FING DATE:	* -	/	/	
SITE/SPILL IDS:			*			
RPM NAME:	RPM PHO	√E:	*			
SITE CLASSIFICATION:	SI.	TE APPROACH:	*			
DIOXIN TIER:	REG FLD1:	REG FLD2:	*			
RESP TERM: PENDING ( )	NO FURTHER ACTION (	)	* PENDING (	_)	NO FURTHER	ACTION (_)
ENF DISP: NO VIABLE RESP PA ENFORCED RESPONS		ARY RESPONSE ( ) ECOVERY ( )	* _			
SITE DESCRIPTION:						
ABANDONED DRUMS ALONG HIGHWAY	Υ.		*			
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			*			
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#### U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF EMERGENCY AND REMEDIAL RESPONSE C E R C L I S V 1.2

PAGE: 128
RUN DATE: 05/27/87
RUN TIME: 18:43:30

#### M.2 - PROGRAM MAINTENANCE FORM

	* ACTION: _
SITE: CANADY'S ABANDONED DRUM SITE	
EPA ID: SCD980840631 PROGRAM CODE: H01 PROGRAM TYPE:	_ *
PROGRAM QUALIFIER: ALIAS LINK :	*
PROGRAM NAME: SITE EVALUATION	*
DESCRIPTION:	
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#### U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF EMERGENCY AND REMEDIAL RESPONSE C E R C L I S V 1.2

PAGE: 129 RUN DATE: 05/27/87 RUN TIME: 18:43:30

#### M. 2 - EVENT MAINTENANCE FORM

			* ACTION: _		
SITE: CANAD PROGRAM: SITE	OY'S ABANDONED DRUM SITE EVALUATION				
EPA ID: SCD98	30840631 PROGRAM CODE: H01	EVENT TYPE: DS1			
FMS CODE:	EVENT QUALIFIER :	EVENT LEAD: E	* -	-	_ *
EVENT NAME:	DISCOVERY	STATUS:	*	<del></del>	_
DESCRIPTION:					
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ORIGINAL	CURRENT	ACTUAL			
START:	START:	START:	*//	_/_/_	_/_/_
COMP :	COMP :	COMP : 07/01/84	* _/_/_	_/_/_	//
HQ COMMENT:					
			*		
RG COMMENT:					
			*		
COOP AGR #	AMENDMENT # STATUS	STATE %			
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#### U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF EMERGENCY AND REMEDIAL RESPONSE C E R C L I S V 1.2

PAGE: 130 RUN DATE: 05/27/87 RUN TIME: 18:43:30

#### M.2 - EVENT MAINTENANCE FORM

			* ACTION:		
SITE: CANAD PROGRAM: SITE	Y'S ABANDONED DRUM SITE EVALUATION				
EPA ID: SCD98	0840631 PROGRAM CODE: H01	EVENT TYPE: PA1			
FMS CODE:	EVENT QUALIFIER :	EVENT LEAD: S	* -	**************************************	_ *
EVENT NAME:	PRELIMINARY ASSESSMENT	STATUS:	*		_
DESCRIPTION:					
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			*	www.	
			*		
			*		
ORIGINAL	CURRENT	ACTUAL			
START:	START:	START: 01/01/85	*//	_/_/_	//
COMP :	COMP :	COMP : 01/01/85	*/	//	//
HQ COMMENT:					
RG COMMENT:			*		
			*		
COOP AGR #	AMENDMENT # STATUS	STATE %			
		0	*		

# U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF EMERGENCY AND REMEDIAL RESPONSE C E R C L I S V 1.2

PAGE: 131 RUN DATE: 05/27/87 RUN TIME: 18:43:30

#### M.2 - EVENT MAINTENANCE FORM

			* ACTION: _		
SITE: CANAD PROGRAM: SITE	Y'S ABANDONED DRUM SITE Evaluation				
EPA ID: SCD98	0840631 PROGRAM CODE: H01	EVENT TYPE: SI1			
FMS CODE:	EVENT QUALIFIER :	EVENT LEAD: S	* -		~
EVENT NAME:	SITE INSPECTION	STATUS:	*		_
DESCRIPTION:					
			A		
			*		
			*		
			*		
ORIGINAL	CURRENT	ACTUAL			
START:	START:	START: 01/01/85	*//	_/_/_	_/_/_
COMP :	COMP :	COMP : 01/01/85	*//	//	_/_/_
HQ COMMENT:					
			*		
RG COMMENT:					
			*		
COOP AGR #	AMENDMENT # STATUS	STATE %			
		0	#		

#### U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF EMERGENCY AND REMEDIAL RESPONSE C E R C L I S V 1.2

PAGE: 132 RUN DATE: 05/27/87 RUN TIME: 18:43:30

M.2 - COMMENT MAINTENANCE FORM

SITE	:	CANADY'S ABANDONED DRUM SITE			
EPA	ID:	SCD980840631			
COM NO	COMM	MENT	AC	TION	
001	SITE	IS 1 MILE WEST OF JCT/SOUTHSID	* .		*
	E OF	HWY 61.	*		 ×
002	SITE	IS 1 MILE WEST OF INTERSECTION	* .		*
	OF	US 15 AND SC HWY 61, ON	*		*
003	sout	HSIDE OF SC HWY 61.	* .	<del></del> .	*
			*	_	*

NUS CORPORATION					TELECON NOTE
CONTROL NO:	DATE:	16.85	TI	ME: //00	
DISTRIBUTION:	<u> </u>				
Pam Garsie		OF: Colleton Health Not	County	PHONE:	03 \ 549-1516
Pam Garsie  And:  Michal Profit		,			(NUS)
According to her, are on private we knowledge	ally	regle on	runi	4 C	anadys
kundedes	ells. "	Vo sunfa	a water	use t	o her
- January					
	····				
	<u> </u>				
	<del></del>			<u></u>	
ACTION ITEMS:					
			<del></del>	***	
N					

Facility name: CANADYS ABANDONED ORUMSITE
Location: COLLETON COUNTY
EPA Region:
Person(s) in charge of the facility: exist on public higher, shoulder
Name of Reviewer:
(For example: landfill, surface impoundment, pile, container; types of hazardous substances; location of the facility; contamination route of major concern; types of information needed for rating; agency action, etc.)
Foundrums exist on the side of the road west of the
Canada's totaseden on highway 61 Illegal dumping
of waste. Waste contains volatiles with low floshounds
Sile was partially claused up on 8/1/84 by state
Superfued but there may still exist some continuented
<u>surls</u>
css 30.4 $css 12.7Scores: s_{M} = 29.7 (s_{gw} = 57.5 s_{sw} = 6.4 s_{a} = 34.6)$
S <sub>FE</sub> = 19.0
$S_{DC} = 25.0$

FIGURE 1 HRS COVER SHEET

Quality assurance Check by: Clarles Athange, Zeb. 6, 1985

	Ground Water Route Work Sheet					,
	Rating Factor	Assigned Value . (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)
	Observed Release	0 45	1	0	45	3.1
		given a score of 45, proceed to line 4. given a score of 0, proceed to line 2.				
4[2	Route Characteristics  Depth to Aquifer of Concern	0 1 2 3	2	6	6	3.2
1	Net Precipitation Permeability of the	0 1 ② 3 0 1 ② 3	1	ス ス	3 3	
	Unsaturated Zone Physical State	0 1 2 (3)	1	3	3	
		Total Route Characteristics Score		13	15	
[3	Containment	0 1 2 3	1	3	3	3.3
4	Waste Characteristics Toxicity/Persistence Hazardous Waste Quantity	0 3 6 9 12 15 (18) 0 (1) 2 3 4 5 6 7 8	1 1	. 18	18 8	3.4
		Total Waste Characteristics Score		19	26	
[5	Targets Ground Water Use Distance to Nearest Well/Population Served	0 1 2 (3) 0 4 6 8 10 12 16 18 20 24 30 32 35 40	3 1	9 20	9 40	3.5
		Total Targets Score		29	49	
[6		ply 1 x 4 x 5 ly 2 x 3 x 4 x 5		21,469	57,330	
7	Divide line 6 by 57,	330 and multiply by 100	s <sub>gw</sub> =	37.	51	

FIGURE 2
GROUND WATER ROUTE WORK SHEET-

	Surface Water Route Work Sheet						
		Rating Factor	Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)
Ų	1	Observed Release	0 45	1	0	45	4.1
	/		en a value of 45, proceed to line 4 en a value of 0, proceed to line 2.	•			
V	2	Route Characteristics Facility Slope and Intervention	ening (0) 1 2 3	1	0	3	4.2
-		1-yr. 24-hr. Rainfall Distance to Nearest Surf Water Physical State	0 1 2 ③ face 0 1 2 ③ 0 1 2 ③	1 2 1	3 6 3	3 .6 3	
			Total Route Characteristics Score		12	15	
	3	Containment	0 1 2 3	1	3	3	4.3
	4	Waste Characteristics Toxicity/Persistence Hazardous Waste Quantity	0 3 6 9 12 15 (B) 0 (1) 2 3 4 5 6 7	1 8 1	/ 18/	18 8	4.4
-					·		 
	<del></del> _		Total Waste Characteristics Score		19	26	
V	5	Targets Surface Water Use Distance to a Sensitive Environment Population Served/Distanto Water Intake Downstream	0 1 2 3 0 1 2 3 nce } 0 4 6 8 10 12 16 18 20 24 30 32 35 40	3 2 1	6 0	9 6 40	4.5
			Total Targets Score		6	55	
	6		1 x 4 x 5 2 x 3 x 4 x 5		4104	64,350	
	7	Divide line 6 by 64,350	and multiply by 100	S <sub>sw</sub> =	6.4	<i>(</i>	

FIGURE 7
SURFACE WATER ROUTE WORK SHEET

Air Route Work Sheet									
	Rating Factor			ned Value rcle One)		Multi- plier	Score	Max. Score	Ref. (Section)
	Observed Release		0	(45)		1	45	45	5.1
	Date and Location:	7/	113/84	west of	(Anadys	on: Hi	shwas	ا عا	
	Sampling Protocol:								
	If line 1 is 0, the	_	0. Enter on li						
2	Waste Characteristic	cs	<b>(1)</b> 1	2 3		1	0	3	5.2
	Incompatibility Toxicity Hazardous Waste Quantity		0 1	2 3 4 5	6 7 8	3 1	9	9 8	
	·					<del></del> -	·		
			Total Waste	Characteristic	s Score		10	20	
3	Targets Population Within 4-Mile Radius Distance to Sensiti	ive	J 21 24	12 15 (8) 27 30 2 (3)		1 2	18°	30 6	<b>5</b> .3
	Environment Land Use	,	0 1	2 3		1 ,	3	3 -	
				•					
			Total	Targets Score	)		27	39	
4	Multiply 1 x 2	× 3					12150	35,100	
5	Divide line 4 by	35,100	and multiply l	by 100		Sa=	34.6	>	

FIGURE 9 AIR ROUTE WORK SHEET

·	s	S <sup>2</sup>	
Groundwater Route Score (Sgw)	37.5	1405.0	
Surface Water Route Score (Ssw)	6.4	40.7	162.7
Air Route Score (Sa)	34.6	1198.2	c55
$s_{gw}^2 + s_{sw}^2 + s_a^2$		a643.9 (	2765.9
$\sqrt{s_{gw}^2 + s_{sw}^2 + s_a^2}$		51.4 (	52.6
$\sqrt{s_{gw}^2 + s_{sw}^2 + s_a^2} / 1.73 = s_M =$		a9.7 (	30.4

FIGURE 10 WORKSHEET FOR COMPUTING  $S_{M}$ 

Fire and Explosion Work Sheet						
Rating Factor		Assigned Value Multi- (Circle One) plier		Score	Max. Score	Ref. (Section)
Containment	1	3	1	3 .	3	7.1
Waste Characteristics Direct Evidence Ignitability Reactivity Incompatibility Hazardous Waste Quantity	0	① 1 2 ③ 1 2 3 1 2 3 ① 2 3 4 5 6 7	1 1 1 1 8 1	3 3000 1	3 3 3 3 8	7.2
	Total Waste	e Characteristics Score	•	7	20	
Distance to Nearest Population Distance to Nearest Building Distance to Sensitive Environment Land Use Population Within 2-Mile Radius Buildings Within 2-Mile Radius	0 (	1 2 3 4 5 1 2 3 1 2 3 1 2 3 1 2 3 4 5 1 2 3 4 5	1 1 1 1	2 1' 3 3 2 2	5 3 3 5 5	7.3
	Tota	al Targets Score		13	24	
Multiply 1 x 2 x 3	]			273	1,440	
Divide line 4 by 1,440	and multiply	by 100	SFE =	19.0	) )	

FIGURE 11 FIRE AND EXPLOSION WORK SHEET

		Direct Contact Work Sheet				
	Rating Factor	Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)
	Observed Incident	<b>(b)</b> 45	1	C	45	8.1
	If line 1 is 45, proceed to the 1 is 0, proceed to 1					
2	Accessibility	0 1 2 3	1	3	3	8.2
3	Containment	0 15	1	15	15	8.3
4	Waste Characteristics Toxicity	0 1 2 60	5	15	15	8.4
5	Targets Population Within a 1-Mile Radius	0 1 2 3 4 5	4	8	20	8.5
	Distance to a Critical Habitat	<b>(i)</b> 1 2 3	4	0	12	
	•					
		•			-	
	<del> </del>	Total Targets Score		8	32	
6	If line 1 is 45, multiply If line 1 is 0, multiply	, <u>, , , , , , , , , , , , , , , , , , </u>		5400	21,600	
7	Divide line 6 by 21,600		s <sub>DC</sub> =	25,	0	

FIGURE 12 DIRECT CONTACT WORK SHEET

C'ILITY ASSURANCE SUMMARY SHEET SOUTH CAROLINA PRIORITIES LIST Caraly's Site Namo: Abardoned Drun Site Location: Calleton County Region: -Note: Calculate scores to 2 decimal places. GROUNDWATER ROUTE SURFACE WATER ROUTE Scores Scores Original QA Diff Original ÐΆ Diff 1. OBSERVED RELEASE 0 ( OBSERVED RELEASE 0 0 Facility Slope and Intervening Terrain Depth to Aquifer of  $\bigcirc$ 0 6 (o Concern 3 Net Precipitation 1-Year, 24-Hour Rainfall Permeability of the Distance to Nearest 6 Surface Water 6 Unsaturated Zone 7 Physical State Physical State 2. TOTAL ROUTE 2. TOTAL ROUTE CHARACTERISTICS CHARACTERISTICS 2  $\Rightarrow$  $\Rightarrow$ 3. CONTAINMENT CONTAINMENT 8 Toxicity/Persistence Toxicity/Persistence Hazardous Waste Quantity Hazardous Waste Quantity TOTAL WASTE TOTAL WASTE d 9 q 19 CHARACTERISTICS CHARACTERISTICS 9 9 6 6 Groundwater Use Surfece Water Use Distance to Nearest Distance to a Sensitive 6 6 0 Well/Population Served 0  $\mathcal{L}$ Environment TOTAL TARGETS Population Served/ 0 0 Distance to Water Intake GROUNDWATER ROUTE SUBTOTAL 6. 6 12 TOTAL TARGETS 21489 37,5 1405,0 SURFACE WATER ROUTE SUBTOTAL

AIR ROUTE	<del></del>	4 117	I JOSE
WIN MOOTE	Original	QA	Diff
1. OBSERVED RELEASE	45	45	
Reactivity and Incom- oatibility	0	0	
Toxicity	9	9	
Hazardous Waste Quantity			•
2. TOTAL WASTE CHARACTERISTICS	10	10	
Population Within 4 Mile	.13	18	
Distance to Sensitive Environment	6	6	
Land Use	3	3 .	
3. TOTAL TARCETS	27	27	•

AIR ROUTE SUBTOTAL

AGGREGATE SITE RANKING

Original	QA	Diff
29,7	30,4	.7

REASONS FOR SCORE DIFFERENCES

(Use other side if necessary)

Information was documented but during scor

went without

Reviewer's Signature:

Date:

#### DOCUMENTATION RECORDS FOR HAZARD RANKING SYSTEM

INSTRUCTIONS: The purpose of these records is to provide a convenient way to prepare an auditable record of the data and documentation used to apply the Hazard Ranking System to a given facility. As briefly as prossible summarize the information you used to assign the score for each factor (e.g., "Waste quantity = 4,230 drums plus 800 cubic yards off sludges"). The source of information should be provided for each entry and should be a bibliographic-type reference that will make the document used for a given data point easier to find. Include the location of the document and consider appending a copy of the relevant page(s) for ease in review.

FACILITY NAME:	CANAdy's Abandoned Down Site	<del>~~~~~</del>
LOCATION:	Colleton County	·····

#### GROUND WATER ROUTE

#### 1 OBSERVED RELEASE

Contaminants detected (5 maximum):

600 PD

None

Rationale for attributing the contaminants to the facility:

6wPD

6wpD

GWP)

None

2 ROUTE CHARACTERISTICS

#### Depth to Aquifer of Concern

Name/description of aquifers(s) of concern:

The shallow (water table) aguiter and the Tention of most one truster.

GOOD - What wells in the area would use the shallow aguiter which has a thickness

of 30-40 feel above the conferences much which separates to shallow sands from the mort Ref: DHEC WATER SUPPLY Files

The mont Ref: DHE C WATER SUPPLY Files

Depth(s) from the ground surface to the highest seasonal level of the saturated zone [water table(s)] of the aquifer of concern:

6.0 feet the typical soil and location are ponded 4-6 months of the year

Ref Soil Screen of Collete County S.C.

Depth from the ground surface to the lowest point of waste disposal/ storage:

Drums are on the banks of a tribulary trendery worth, flowing had the

Edisto River.

Ref. Sketch map from the Burear of 501.6 & Hozardon warte

Net Precipitation

Mean annual or seasonal precipitation (list months for seasonal):

49 inches

GWPD

Ref. S.C. Sols & Heir Interpretations of Salact Missig

Mean annual lake or seasonal evaporation (list months for seasonal):

GWPD

Approximately 43 unches

Net precipitation (subtract the above figures):

GWPD

6 inches

Permeability of Unsaturated Zone

Soil type in unsaturated zone:

6wP→

Parolle fine Sondy loan Soil Sonor of Collete to.

Digit of Agree there

Permeability associated with soil type:

Permeability is moderate, mediate organics, poorly drained

GWAD County Sal Survey

Physical State

Physical state of substances at time of disposal (or at present time for generated gases):

Liquid saint type wast

3

#### 3 CONTAINMENT

#### Containment

Method(s) of waste or leachate containment evaluated:

Container - drums

container leading with no line

Method with highest score:

Containers

#### 4 WASTE CHARACTERISTICS

#### Toxicity and Persistence

Compound(s) evaluated:

1	TOX	Ters
benzero	3	1
Johnson	2	1
1,1, 2,2 tetochlorookune	3	3
chlore benzene	2	7
· · · · · · · · · · · · · · · · · · ·		

Compound with highest score:

1,1,2,2. tel-achloro others

#### Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

4 drums

Basis of estimating and/or computing waste quantity:

visual count 7/13/84

#### 5 TARGETS

#### Ground Water Use

Use(s) of aquifer(s) of concern within a 3-mile radius of the facility:

Drinking

GWPD

DHEC Ciater Supply Files

#### Distance to Nearest Well

Location of nearest well drawing from aquifer of concern or occupied building not served by a public water supply:

0.18 miles , the northwest direction

GWPD

Tel: Estimated from 7.5 minuter topographic may (1952)

Distance to above well or building:

0.18 mile à 950 feet

600PD

600ez

#### Population Served by Ground Water Wells Within a 3-Mile Radius

Identified water-supply well(s) drawing from aquifer(s) of concern within a 3-mile radius and populations served by each:

Public wells while the limesterno Aquite. Private wells while & both the shallow sands and the Limiters against -

Computation of land area irrigated by supply well(s) drawing from aquifer(s) of concern within a 3-mile radius, and conversion to population (1.5 people per acre):

Estimale within a 3 mile cadina would be 740 pusas

60PD def: l'alimated fran 75 minule topographie ma ps (AxX)
- 15, met houses Fragation was not computed

Total population served by ground water within a 3-mile radius:

740

SI report

#### SURFACE WATER ROUTE

#### 1 OBSERVED RELEASE

Contaminants detected in surface water at the facility or downhill from it (5 maximum):

GUIPD

None

Rationale for attributing the contaminants to the facility:

GWEN

None

2 ROUTE CHARACTERISTICS

#### Facility Slope and Intervening Terrain

Average slope of facility in percent:

GWPD \_ -

2.5 procent

Name/description of nearest downslope surface water:

GWPD

Moso, state untirenst

Average slope of terrain between facility and above-cited surface water body in percent:

2.5 purent

GWPD

Is the facility located either totally or partially in surface water?

5 pasonally

GWPD

rief. Soil souver of collete County

Is the facility completely surrounded by areas of higher elevation?

EWED

No

#### 1-Year 24-Hour Rainfall in Inches

GWPD

3.5

#### Distance to Nearest Downslope Surface Water

GWED

25 feet

#### Physical State of Waste

Liquid - painttype waste

3 CONTAINMENT

#### Containment

Method(s) of waste or leachate containment evaluated:

continues -drums.

container lookery with me lines

Method with highest score:

container

#### 4 WASTE CHARACTERISTICS

#### Toxicity and Persistence

Compound(s) evaluated

Compound with highest score:

telachlowethers

#### Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

4 drums

Basis of estimating and/or computing waste quantity:

Ursual count 3/13/84

5 TARGETS

#### Surface Water Use

Use(s) of surface water within 3 miles downstream of the hazardous substance:

Currently, SCEECO is using surface water for industrial ac well as a drinking water sugery. Due to wear future the surfacewater for the plant will be used for industrial purposes only From a verbal communication with more Atlancing sceece engineer, the surface water who appears to be just upsteen of the month of the Carboling that same water the Edislo five. The rive is actually were for lecunificant Carriers.

GUPD

Is there tidal influence?

GURTO

20

#### Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

COB)

None

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

25 feet. The site is I stated in a flood prime area of the

GWPD

Distance to critical habitat of an endangered species or national wildlife refuge, if I mile or less:

Approximately 0.5 miles northwest of site is the Collete Stude Parte houseward me with left sofrege was noted.

Self: 7.5 minute deposperative map

COSPD

GUSED

#### Population Served by Surface Water

Location(s) of water-supply intake(s) within 3 miles (free-flowing bodies) or 1 mile (static water bodies) downstream of the hazardous substance and population served by each intake:

Conadj, uplace is just upstream of the month of the tributary It, this is account, the would be no surface water while within a 3-mile distance.

Ref. DUEC Worker Self Tiles

Computation of land area irrigated by above-cited intake(s) and conversion to population (1.5 people per acre):

some known

Total population served:

()

Name/description of nearest of above water bodies:

Distance to above-cited intakes, measured in stream miles.

#### AIR ROUTE

Contaminants	detected:	
unlatile	organie.	- Senzen

OBSERVED RELEASE

Date and location of detection of contaminants

7/13/5-4 (or Conody's Mandenel works sile

Methods used to detect the contaminants:

Drager dule

Rationale for attributing the contaminants to the site:

manimula increase as got clearly the draws

2 WASTE CHARACTERISTICS

Reactivity and Incompatibility

Most reactive compound:

nen mese-

Most incompatible pair of compounds:

now lenows

#### Toxicity

Most toxic compound:

Bensene - 3

#### Hazardous Waste Quantity

Total quantity of hazardous waste:

4 Lums

Basis of estimating and/or computing waste quantity:

visual count - 7/13/84

3 TARGETS

#### Population Within 4-Mile Radius

Circle radius used, give population, and indicate how determined:

0 to 4 mi

0 to 1 mi

0 to 1/2 mi

eight pusins

### Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

G.T. 2 miles

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

0.00001 mile adjacet to)

Distance to critical habitat of an endangered species, if I mile or less:

Git. Imle.

#### Land Use

Distance to commercial/industrial area, if I mile or less:

O.4 miles

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:

Distance to residential area, if 2 miles or less:

Distance to agricultural land in production within past 5 years, if 1 mile or less:

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

Is a historic or landmark site (National Register or Historic Places and National Natural Landmarks) within the view of the site?

#### FIRE AND EXPLOSION

#### 1 CONTAINMENT

Method(s) of waste containment to minimize or prevent hazardous substances from catching fire or exploding:

Drums are open and some waste is an sumounding ground

2 WASTE CHARACTERISTICS

Direct Evidence

CGI /02 meter golds ((300))
but HNU & Droge lube show promose of victorile organics (because)
stropped

Ignitability

Toluene Table 4 poss 19 => 3 Sample analysis Reactivity

Most reactive compound:

ntévidence of a reactive compound known

sample and sis

Most incompatible pair of compounds:

no incompatible substances are present.

sample analysis

#### Hazardous Waste Quantity

Total quantity of hazardous waste:

4 drums

S.I. 18port

Basis of estimating and/or computing waste quantity:

visual count 7/13/84

3. TARGETS

Distance to Nearest Population

0.13 om. le (686 feat)

SI report

Distance to Nearest Building

6.13

S.I report

Distance to Sensitive Environment

Distance to Wetlands

0.0001 mile

S.I report

Distance to Critical Habitat of an Endangered Species

NA

#### Land Use

Distance to commercial/industrial area, if I mile or less:

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:

Distance to residential area, if 2 miles or less

Distance to agricultural land in production within past 5 years, if I mile or less:

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

Is a historical or landmark site (National Register or Historic Places and National Landmarks) within the view of the site?

NO

Population Within 2 Mile Radius

578

Buildings Within 2-Mile Radius

152

#### DIRECT CONTACT

#### 1 OBSERVED INCIDENT

Incident date, location, and pertinent details:

None known

#### 2 ACCESSIBILITY

Describe measures taken to limit access by humans or animals to hazardous substances:

No measures how been luke

S.I 7/13/54

#### 3 CONTAINMENT

Method(s) of waste containment to minimize or prevent hazardous substances from being easily contacted:

waste is spilled in the grand around the carea where the drams exist

#### 4 WASTE CHARACTERISTICS

#### Toxicity

Benzes has a value of }

Compound(s) evaluated:

Benzene Chlorokanzene Johnson 1,1,2,2 tetra disos ethers

Compound with highest score:

telia chita others

Benzeno

Sample analysis

**TARGETS** 

Population Within a 1-mile Radius

275

2,5 minte topographic map

Distance to a Critical Habitat of an Endangered Species

Greater Than I.O mile

Dec 1/23/85 SI by DHEC

SEPA

# POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 1 - SITE INFORMATION AND ASSESSMENT

OI STATE OZ SITE NUMBER!

WETA .	PART 1 - SITE INFORM	AA NOITAN	ID ASSESSMEI	NT SC ]	D980840637 "
II. SITE NAME AND LOCATION				,	
01 SITE NAME (Legal, common, or descriptive name of site)		02 STREE	T, ROUTE NO., OR SI	PECIFIC LOCATION IDENTIFIER	
Canady's Abandoned I	Orum Site			mile from Hwy	7 15 near SCE
Canadys		SC	29433	Colleton	CODE DIST
09 COORDINATES LATITUDE	LONGITUDE			•	
	<u> </u>				
From St. George take Hw pe on the Jeft hand sic	yy 15 South to H le approx5 mi	lwy 61 a les fro	nd turn ri m Hwy 15.	ight. The site	will then
III. RESPONSIBLE PARTIES			<del></del>		
01 OWNER (# known)		02 STREE	T (Business, making, resi	dential)	
Unknown		į .			
03 CITY		04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER	
• •				( )	
07 OPERATOR (If known and different from owner)		08 STREE	T (Business, mailing, resi	dential)	
09 CITY		10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER	T
		i	l	( )	
13 TYPE OF OWNERSHIP (Check one)  A. PRIVATE B. FEDERAL:	(Agency name)		XXC. STATE	□D.COUNTY □ E. M	UNICIPAL
CI F. OTHER:	(Specity)		_ G. UNKNO	OWN	
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check	all that apply)				7
A. RCRA 3001 DATE RECEIVED:	B. UNCONTRO	OLLED WAST	E SITE (CERCLA 103 d	DATE RECEIVED:	C. NONE
IV. CHARACTERIZATION OF POTENTIAL			<del></del>	WORTH	UAT TEAN
01 ON SITE INSPECTION	BY (Check all that apply)				
YES DATE 07/10 84	□ A. EPA □ B.			C. STATE D. OTHE	R CONTRACTOR
□ NO MONTH DAY YEAR	☐ E. LOCAL HEALTH O	PERCIAL L	J F. OTHEH:	(Specify)	
	CONTRACTOR NAME(S	·			
02 SITE STATUS (Check one)	03 YEARS OF OF		198	0/1 =	<u> </u>
A. ACTIVE SE B. INACTIVE C. UNI	KNOWN	1984 BEGINNING YE			/VN
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESE	NT, KNOWN, OR ALLEGED	-	i		
See Attached Memo					
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRO	NMENT AND/OR POPULATION				
See Attached Memo					
V. PRIORITY ASSESSMENT			·	<u></u>	
01 PRIORITY FOR INSPECTION (Check one. If high or media	um is checked, complete Part 2 - Weste	Information and Pt	rt 3 - Description of Hezer	relous Conditions and Incidents)	
💢 A. HIGH 🔲 B. MEDI	UM C. LOW	ime aveleble basi	D. NONE	r action needed, complete current disp	celtion form)
VI. INFORMATION AVAILABLE FROM					
01 CONTACT	02 OF (Agency/On	genizationi			03 TELEPHONE NUMBER
Mrs. Crockett	I		ınty Ways	side State Pk	. (803 538-826
04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	. 1	ANIZATION	07 TELEPHONE NUMBER	08 DATE
Frederick E.Sanford	Fow Con	ıntry	SCDHEC	(803,524-976)	0 07 /10/84

	7	7.0
~	<u>-</u>	-/4
70		

#### POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 2 - WASTE INFORMATION

I. IDENTIFICATION

O1 STATE O2 SITE NUMBER

S.C. D980840631

				EINFORMATION			
	TATES, QUANTITIES, AN						
MA SOLID D B. POWDE C C. SLUDGE	E [,] G. GAS	TONS _	ry at site i waste quentities ndepoepdanii Unknown Unknown	O3 WASTE CHARACTE  A. TOXIC  B. CORROS  C. RADIOAL  D. PERSIST	CTIVE 🔲 G. FLAMA	BLE LI I. HIGHLY INTO THE	IVE VE PATIBLE
LI D. OTHER	(Specify)	NO. OF DRUMS _	4			•	-
III. WASTE T	YPE UNKNOW	N					
CATEGORY	SUBSTANCE N	AME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS		
SLU	- SLUDGE						
OLW	OILY WASTE						
SOL	SOLVENTS						
PSD	PESTICIDES						
occ	OTHER ORGANIC CH	HEMICALS					
IOC	INORGANIC CHEMIC	ALS					
ACD	• ACIDS						
BAS	BASES						
MES	HEAVY METALS		<u> </u>				
	OUS SUBSTANCES (See A		T	Unknown			OS MEASURE OF
01 CATEGORY	02 SUBSTANCE N	AME	03 CAS NUMBER	04 STORAGE/DISF	POSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
_							
							<del> </del>
							<del> </del>
		<del></del>					
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			<del> </del>	<del> </del>	<del></del>		<del> </del>
		<u> </u>	<del> </del>	<del></del>	<del></del>	<u> </u>	<del> </del>
V EEEDOYO	ove		L	L	<del></del>	<u> </u>	L
CATEGORY	CKS (See Appendix for CAS Numb		IKNOWN 02 CAS NUMBER	CATEGORY	0. 2222	Tour I	00.040
FDS	01 FEEDSTOC	NAME	UZ CAS NUMBER	CATEGORY	01 FEEDSTO	JUK NAME	02 CAS NUMBER
FDS	<del></del>		<del> </del>	FDS			
FDS		· <del></del>		FDS			
FDS		<del></del>		FDS	<del></del>		
	S OF INFORMATION IS		<u> </u>	FDS		l	
	sofinformation (cae			reports )		<u> </u>	

I. IDENTIFICATION 01 STATE 02 SITE NUMBER SC D980840631

PRELIMINARY ASSESSMENT

	ZARDOUS CONDITIONS AND INCIDEN	•	
II. HAZARDOUS CONDITIONS AND INCIDENTS			
01 C A GROUNDWATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED:	02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	☐ POTENTIAL	ALLEGED
N/A			
01 RB. SURFACE WATER CONTAMINATION 120 03 POPULATION POTENTIALLY AFFECTED:	02 OBSERVED (DATE: 7/10/84) 04 NARRATIVE DESCRIPTION	M POTENTIAL	☐ ALLEGED
The drums are located in a w and the drums are leaking.	et weather ditch near	a small str	ream
01 C. CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED:	02 □ OBSERVED (DATE) 04 NARRATIVE DESCRIPTION	D POTENTIAL	☐ ALLEGED
N/A.	•		
	;		
01 g D. FIRE/EXPLOSIVE CONDITIONS 120 03 POPULATION POTENTIALLY AFFECTED:	02 G OBSERVED (DATE: 7/10/84) 04 NARRATIVE DESCRIPTION	20 POTENTIAL	☐ ALLEGED
The durms are located in a we			
the abandoned drum site is us fire since the drums are lead		a potentia is unknown	l for
01 X E. DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED: 120	02 OBSERVED (DATE 7/10/84) 04 NARRATIVE DESCRIPTION	3 POTENTIAL	☐ ALLEGED
Access to the abandoned drum are leaking.	site is uncontrolled	and the dru	ms
01 SEF CONTAMINATION OF SOIL /12 of an ac	02 GOBSERVED (DATE: /-10-84)	M POTENTIAL	☐ ALLEGED
Spillage has occurred around drums.		te from the	eleaking
•			
01 G. DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED:	02 U OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	□ POTENTIAL	☐ ALLEGED
N/A	! { }		
	ĺ		
01 I H. WORKER EXPOSURE/INJURY 03 WORKERS POTENTIALLY AFFECTED:	02 □ OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	POTENTIAL	□ ALLEGED
	•		
N/A			
01 L) I. POPULATION EXPOSURE/INJURY 03 POPULATION POTENTIALLY AFFECTED:	02 [] OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	D POTENTIAL	□ ALLEGED
N/A			
	: : 1		

**SEPA** 

## POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

I. IDENTIFICATION

O1 STATE | 02 SITE NUMBER

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AN	D INCIDENTS
II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)	
01 1 J. DAMAGE TO FLORA 02 50 OBSERVED (DATE: 7-04 NARRATIVE DESCRIPTION	10-84) ■ POTENTIAL □ ALLEGED
Flora around the abandoned drum site is cont leaking drums.	aminated from the
01 ☐ K. DAMAGE TO FAUNA 02 ☐ OBSERVED (DATE:04 NARRATIVE DESCRIPTION (include name(s) of species)	)   POTENTIAL   ALLEGED
N/A	
01 ☐ L. CONTAMINATION OF FOOD CHAIN 02 ☐ OBSERVED (DATE:04 NARRATIVE DESCRIPTION	)   POTENTIAL   ALLEGED
N/A	
01 XM. UNSTABLE CONTAINMENT OF WASTES (Spills runoff: stending liquids leaking drums) 1.2.0	10-84) XI POTENTIAL □ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 120 04 NARRATIVE DESCRIPTION	
The drums are leaking and there is the pote	ntial for runoff to occur.
01 □ N. DAMAGE TO OFFSITE PROPERTY 02 □ OBSERVED (DATE:	) DOTENTIAL DALLEGED
N/A	
01 □ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 02 □ OBSERVED (DATE:04 NARRATIVE DESCRIPTION	) □ POTENTIAL □ ALLEGED
N/A	
01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING 02 ☐ OBSERVED (DATE:	)   POTENTIAL  ALLEGED
.N/A	
05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS	•
N/A	•
III. TOTAL POPULATION POTENTIALLY AFFECTED: 120	
IV. COMMENTS	-
The greatest concern at this time is that the that access to the abandoned drum stie is und	e drums are leaking and controlled.
V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)	
Canady's Abandoned Drum Site File	

# South Carolina Department of Health and Environmental Control

2600 Bull Street Columbia, S.C. 29201

Commissioner Robert S. Jackson, M.D.



Board
Moses H. Clarkson, Jr., Chairman
Leonard W. Douglas, M.D., Vice-Chairman
Barbara P. Nuessle, Secretary
Gerald A. Kaynard
Oren L. Brady, Jr.

James A. Spruill, Jr. William H. Hester, M.D.

Low Country District Environmental Quality Control 149 Ribaut Square Beaufort, S.C. 29902 (803) 524-9760

December 31, 1984

TO: Canady's Abandoned Drum Site

Part 1 - Site Information and Assessment

FROM: Frederick E. Sanford 7.

Low Country E.Q.C. District

RE: Potential Hazardous Waste Site

Preliminary Assessment

On July 10, 1984, this writer inspected an abandoned drum site located on Highway 61 between South Carolina Electric & Gas Power Plant and the intersection of Highway 61 and Highway 15 in Canadys, S.C. There were four abandoned drums in a wet weather ditch. There were no markings on the drums and each drum had puncture holes in the lids. Responsible party is unknown at this time. The drums were leaking at the time of this investigation. The spillage from the drums is white and in a liquid state. Access to the site is also uncontrolled. There is the potential for runoff to occur and contaminate a nearby stream. There is already contamination of soil around the drums. Substance inside the drums is unknown at this time.

Canadys Abandoned Drum Site

<sup>36</sup>61

7.5 MINUTE SERIES OPOGRAPHIC) 80° 37′ 30″ - 33°07′30″ - 370 550 40′ 532 533 3664 €€3 3€62

### South Carolina Department of Health and Environmental Control

2600 Bull Street Columbia, S.C. 29201

Commissioner Robert S. Jackson, M.D.

**MEMORANDUM** 

Board

Moses H. Clarkson, Jr., Chairman Leonard W. Douglas, M.D., Vice-Chairman Gerald A. Kaynard, Secretary Barbara P. Nuessle Oren L. Brady, Jr. James A. Spruill, Jr. William H. Hester, M.D.

TO:

US EPA, Region IV 345 Courtland St. Atlanta, GA 30365

FROM:

RCRA 3012 Program CXM

SC DHEC

Bureau of Solid & Hazardous Waste Management

2600 Bull Street Columbia, SC 29201

SUBJECT:

Canady's Abandoned Drum Site - Site Inspection Report

DATE:

January 21, 1985

#### I. EXECUTIVE SUMMARY

The Canady's Abandoned Drum Site near Canadys in Colleton County is the location of the illegal dumping of four (4) drums of unknown contents. The drums had apparently been off loaded from some transportation vehicle by simply shoving them off the bed and letting them roll to the bottom of the wet weather ditch, crushing some and leaving others burst open and leaking contents on the surrounding area. The drums were located adjacent to an intermittent stream. A site investigation was conducted by the Site Screening & Engineering Section of SC DHEC on July 13, 1984. The site is located northwest of Canadys intersection. Three samples were taken: one of the waste, one of some potentially contaminated soil and one background located east of the site. On August 1, 1984, all existing drums as well as some contaminated soil were removed from the site by a contractor for the State, namely SCA Services out of Pinewood, S.C. At this time, the leaking drums were overpacked along with existing contaminated soil.

#### **BACKGROUND** II.

#### A. Location

The Canadys Abandoned Drum Site is located near SCE&G next to an intermittent stream on the south side of Highway 61 about 0.75 mile west of Canadys intersection (Highway 61 and Highway 15 intersection). The coordinates of the site are latitude 33 degrees 3 minutes and 31.5 seconds and longitude 80 degrees 37 minutes and 39.6 seconds. The closest address for this site would be Canadys, S.C. 29433.

US EPA, Region IV Page Two January 21, 1985

#### B. Site Layout

The site is located at the bottom and along the side of the south side portion of the Highway 61 wet weather ditch. It is bordered on the east by an intermittent stream, on the north by Highway 61, and to the south by foliage. The site covers an area of less than 0.5 acres. The nearest drinking water well is 0.18 mile from the site. The Edisto River is located about 0.55 mile due north of the site. The nearest population is about 600 feet away. The site is in a sparsely populated area with only eight (8) persons within 0.25 mile and eighty (80) persons within 0.50 mile. The topography is flat including the marsh-swamp complex developed along the Edisto River. The area is extensively farmed.

#### C. Ownership History

The property on which the waste was illegally dumped is public property in the form of a storm drainage system for Highway 61.

#### D. Site Use History

The function of the area known as Canady's Abandoned Drum Site is for drainage of water from Highway 61.

#### E. Permit and Regulatory History

The Department has never issued a permit for disposal of any kind at this site.

#### F. Remedial Actions to Date

Some remedial action has taken place subsequent to the site inspection on July 13, 1984. SCA Services (contractor for the State) arrived on-site removing spilled material and contaminated soil on August 1, 1984. Waste still present in leaking drums were overpacked and was taken to the SCA Landfill in Pinewood, S.C. to await approval by the State for disposal. Prior to the arrival of SCA, DHEC personnel placed a warning tape around the site to discourage entry.

#### G. Summary Trip Report

On July 13, 1984 Charlie Strange, John Cresswell, and the writer, all of the Central Office, met Gary Dukes and Fred Sanford of the Low Country District Office. Our purpose in going was to investigate the hazards present in and around the illegally disposed of drums. The site was monitored for both combustible gases and volatile organics using the Combustible Gas Indicator/Oxygen Meter (CGI/102 meter), the H-NU, and Drager tubes. The only positive results were found using the H-NU (at a spanpot setting of 2.5 a reading of 500 ppm was measured inside the open drums) and the benzene sensitive Drager tube (a 10 ppm measurement of benzene was found in one of the open drums). During the site inspection, we were approached by a representative of a local weekly newspaper. One waste, one potentially contaminated sediment, and one background sediment sample were taken. The samples were analyzed for the following parameters: flashpoint, pH, metals (As, Ba, Cd, Cr, Pb, Mn, Hg, Ni, Se, Ag), volatile organics and acid base neutral extractables. The samples were deposited at the Central Laboratory in Columbia, S.C., maintaining chain of custody. Photographs were taken to maintain a record of sampling and site specific information.

SEPA

## POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT ART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

SC 980840631

<b>**</b>		PART 1 - SITI	ELOCATION AND	INSPE	CTION INFORM	ATION LOC	980840831
II. SITE NAME AND LOC	ATION						
01 SITE NAME (Legal, common, o				02 STREE	T, ROUTE NO., OR SP	ECIFIC LOCATION IDENTIFIER	
Canady's At	oando	oned Drum Sit	e			ile from Hwy 15	
				[	05 ZIP CODE	06 COUNTY	07COUNTY 08 CONG CODE DIST
Canadys 09 COORDINATES		<del></del>	10 TYPE OF OWNERSH	SC IP (Check on	29433	Colleton	
3.3°0.3'3.1.5		80°3.7°3.9.6				(X.C. STATE ☐ D. COUNT ☐ G. UNKNO	
III. INSPECTION INFORM	OITAN	N 02 SITE STATUS	03 YEARS OF OPERAT	TION			
7 /13 / 84 MONTH DAY YEAR		☐ ACTIVE		984	1984	UNKNOWN	•
MONTH DAY YEAR 04 AGENCY PERFORMING INS	PECTIO	X INACTIVE N (Check all that apply)	BEGI	NNING YEA	AR ENDING YEAR	<u> </u>	
□ A. EPA □ B. EPA C	_	ACTOR		C. MI	UNICIPAL D.M	UNICIPAL CONTRACTOR _	·
Ø E. STATE □ F. STATE	E CONT	RACTOR	Varne of firm)	□ <b>G</b> . <b>O</b> 1	THER	(Specify)	(Name of firm)
05 CHIEF INSPECTOR			06 TITLE			07 ORGANIZATION	08 TELEPHONE NO.
John K. Cressv	vell			ental	Engineer	SCDHEC	803)758-5681
оротнекиморестоко Coleman Miles			Environme	ental	Engineer	11 ORGANIZATION SCDHEC	12 TELEPHONE NO. 803 ) 758-5681
Charles Strang	ge	•	Environm	ental	Manager	SCDHEC	758-5681 و03
							( )
							( )
							( )
13 SITE REPRESENTATIVES IN	TERVIE	WED	14 TITLE	1	15ADDRESS		16 TELEPHONE NO
None					<del>-</del>		( )
						·	( )
	:						( )
				T			( )
							( )
							( )
17 ACCESS GAINED BY (Check one)  EXPERMISSION  WARRANT		:15 a.m.	Hot & h		temperatur	e in mid 90's.	
IV. INFORMATION AVAI	LABLE	FROM					
John Cresswel	1		02 OF (Agency/Organi EQC/SCD				03 TELEPHONE NO. (803) 758-5681
04 PERSON RESPONSIBLE FO Wilson C. Mile			05 AGENCY EQC		CDHEC	(803) 758-5681	D8 DATE

<b>WELH</b>	9	<b>FPA</b>
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I. IDENTIFICATION

01 STATE | 02 SITE NUMBER

WE!	A		PART 2 - WAST	TION REPORT EINFORMATION		SC 9808	40631
II. WASTE ST	TATES, QUANTITIES, AN	D CHARACTERIS	STICS	·			
	TATES (Check of that apoly)  L) E SLURRY R, FINES Y F, LIQUID E [] G, GAS	02 WASTE QUANTIT	FY AT SITE waste quantities ndependent)	03 WASTE CHARACTE  (X) A. TOXIC  (B) B. CORROS  (C) C. RADIOAL  (X) D. PERSIST	☐ E. SOLUI SIVE ☐ F. INFEC CTIVE XXG. FLAM	BLE XX I. HIGHLY V	IVE VE PATIBLE
	(Specify)	NO. OF DRUMS _	4			<del></del>	
III. WASTE T			<del>y </del>	,	<del></del>		
CATEGORY	SUBSTANCE N	AME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS		
SLU	SLUDGE OILY WASTE						
OLW	· <del></del>						
SOL PSD	SOLVENTS		unknown				
	PESTICIDES	IEMICAL S	unknown				
000	OTHER ORGANIC CHEMIC		unknown				
IOC ACD	INORGANIC CHEMIC	ALS	<u> </u>				
BAS	BASES					· · · · · · · · · · · · · · · · · · ·	
MES	HEAVY METALS		unknown		suspecte	ed	· · · · · · · · · · · · · · · · · · ·
	OUS SUBSTANCES (See A)	nonedly for most frequenti	<u> </u>	I	L		
01 CATEGORY	02 SUBSTANCE N		03 CAS NUMBER	04 STORAGE/DISE	POSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
SOL	Toluene		108-88-3	illegal dı	umnina	90.2	mq/kq
00C	1,1,2,2-tetrac	chloroetha				51.9	₩g/kg
00C	chlorobenzene		108-90-7	illegal di		55.0	€g/kg
SOL	Benzene	······································	71-43-2	illegal di		5.4	mg/kg
00C	3-chloro-1-pro	pane	999	illegal di	umping	-	-
00C	2-octane	<del></del>	999	illegal d	umnina	_	_
	z-octane			Tiregar di	MIND LITY		<del> </del>
							<u> </u>
					<del></del>	<del> </del>	† · · · · · · · · · · · · · · · · · · ·
			<u> </u>				†
<del></del>	<u> </u>			1	<del></del>	<del>                                     </del>	
				1			
V. FEEDSTO	CKS (See Appendix for CAS Numb	ners)		1		1	.1
CATEGORY			02 CAS NUMBER	CATEGORY	01 FEEDST	OCK NAME	02 CAS NUMBER
FDS				FDS			
FDS	<del></del>		<u> </u>	FDS			<del></del>
FDS			<del>                                     </del>	FDS			
FDS				FDS	- <del></del>		
	S OF INFORMATION (Cre	Specific references & o	State (des sample eneliere	1			
	analysis repor						

I. ID	ENTIF	CATI	ON
oj st SC	ATE 02	8084	10MBER 10631

	HAZARDOUS CONDITIONS AND INCIDENTS	SC 198	30840631
II. HAZARDOUS CONDITIONS AND INCIDENTS			
01 & A GROUNDWATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: 106 Drums are located in a ditch near	02 O OBSERVED (DATE) 04 NARRATIVE DESCRIPTION possible discharge area.	D POTENTIAL	☐ ALLEGED
01 (X.B. SURFACE WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: 106	02 C OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	X) POTENTIAL	□ ALLEGED
The drums are located in a wet wea		m and the d	irums
01 © C. CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED:  WA	02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	□ POTENTIAL	□ ALLEGED
of 10 D. FIRE/EXPLOSIVE CONDITIONS of population potentially affected:  The drums are located in a wet wear abandoned drums is uncontrolled. leaking an unknown substance.			
01 X E. DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED: 120	02 □ OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION		☐ ALLEGED
Access to the abandoned drum site	is uncontrolled and the drums	are leakir	ng.
01 X) F. CONTAMINATION OF SOIL 03 AREA POTENTIALLY AFFECTED: (Acres)	02XX0BSERVED (DATE:7/10/84_) 04 NARRATIVE DESCRIPTION	□ POTENTIAL	□ ALLEGED
Spillage has occurred around the a	bandoned drum site from the 1	eaking drum	15.
01 M G. DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: 106	02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	X POTENTIAL	□ ALLEGED
Residences in the area use groundw	ater as basic water supply.		
01 D H. WORKER EXPOSURE/INJURY 03 WORKERS POTENTIALLY AFFECTED:	02 G OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	☐ POTENTIAL	□ ALLEGED
NA			
01 ☐ I. POPULATION EXPOSURE/INJURY 03 POPULATION POTENTIALLY AFFECTED:	02 □ OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	□ POTENTIAL	☐ ALLEGED
NA			

	TEICATION
O1 STATE	980840 <b>63</b> 1

SITE INSPECTION REPORT  PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS  SCALE 1980840631
II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)
01 [X J. DAMAGE TO FLORA 02 [X OBSERVED (DATE:
Flora from around the leaking drums has been contaminated.
01 D K. DAMAGE TO FAUNA 02 DESERVED (DATE:) DESERVED DESCRIPTION (Include name(s) of species)
01   L. CONTAMINATION OF FOOD CHAIN 02   OBSERVED (DATE:)   POTENTIAL   ALLEGED 04 NARRATIVE DESCRIPTION
01 [X M. UNSTABLE CONTAINMENT OF WASTES O2 [X OBSERVED (DATE: 7/10/84)   POTENTIAL   ALLEGED O3 POPULATION POTENTIALLY AFFECTED: 120 O4 NARRATIVE DESCRIPTION  Drums present are leaking and has the potential for runoff.
01 N. DAMAGE TO OFFSITE PROPERTY 02 OBSERVED (DATE:) POTENTIAL ALLEGED 04 NARRATIVE DESCRIPTION
01 © 0. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPS 02 © OBSERVED (DATE:) © POTENTIAL © ALLEGED 04 NARRATIVE DESCRIPTION
01 the properties of the potential of t
05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS
III. TOTAL POPULATION POTENTIALLY AFFECTED: 120
IV. COMMENTS
The greatest concern at this time is that the drums are leaking and that access to the abandoned site is uncontrolled.
V. SOURCES OF INFORMATION (City specific references, e.g., state files, sample analysis, reports)
State Files

9	F	PΔ
7		

I. IDEN	IFICATION
01 STATE	980840631

<b>VEPA</b>			PECTION SCRIPTIVE INFORMA	TION	980840631
II. PERMIT INFORMATION		·			
01 TYPE OF PERMIT ISSUED	02 PERMIT NUMBER	03 DATE I	SSUED 04 EXPIRATION DAT	E 05 COMMENTS	
(Check all that apply)		ŀ		İ	
A. NPDES		<del></del>		<del></del>	
DB UIC				<del></del>	
□ C. AIR				<del> </del>	
D. RCRA		-			
☐ E. RCRA INTERIM STATUS		<u> </u>		<del></del>	
F. SPCC PLAN					<u> </u>
☐ G. STATE (Specify)		<del>                                     </del>			
□ H. LOCAL (Specify)					
☐ I. OTHER (Specify)					
M. J. NONE					
III. SITE DESCRIPTION					
01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT 03 UNIT O	F MEASURE	04 TREATMENT (Check all the	( apply)	05 OTHER
☐ A. SURFACE IMPOUNDMENT _		<del></del>	☐ A. INCENERATION		
☐ B. PILES			B. UNDERGROUND IN	JECTION	☐ A. BUILDINGS ON SITE
☐ C. DRUMS, ABOVE GROUND	4 <u>55 c</u>	aı.	C. CHEMICAL/PHYSIC	CAL	
D. TANK, ABOVE GROUND			D. BIOLOGICAL		
☐ E. TANK, BELOW GROUND _			E. WASTE OIL PROCE		06 AREA OF SITE
☐ F. LANDFILL _ ☐ G. LANDFARM _		<del></del>	☐ F. SOLVENT RECOVE		0.5
☐ H. OPEN DUMP			G. OTHER RECYCLING	3/RECOVERY	(Acres)
□ I. OTHER			☐ H. OTHER	pecify)	
(Specify)					
Illegal dumping of dru					
V. CONTAINMENT			<del></del>	<del></del>	
O1 CONTAINMENT OF WASTES (Check one)				\575 mass	
A. ADEQUATE, SECURE	☐ 8. MODERATE	LJ C. II	NADEQUATE, POOR	XXD. INSEC	URE, UNSOUND, DANGEROUS
2 DESCRIPTION OF DRUMS, DIKING, LINERS, I	BARRIERS, ETC.				
Drums have apparently become cracked and/or	been rolled off burst open.	a tru	ck and upon im	pact with	the ground have
V. ACCESSIBILITY					
01 WASTE EASILY ACCESSIBLE: YES	S 🗆 NO				
Drums lie on the side	of the road.				
VI. SOURCES OF INFORMATION (CRe S)	pecific references, e.g. state files, samp	ole analysis, repo	ons)		
State Files, on-site i	nspection.				

<b>\$EPA</b>		POTE	SITE INSPECT				ITIFICATION E 02 SITE NUMBER 980840631
II. DRINKING WATE	RSUPPLY						
01 TYPE OF DRINKING SU (Check as applicable)	JPPLY		02 STATUS			03 D	DISTANCE TO SITE
(Check as appressive)	SURFACE	WELL	ENDANGERE	D AFFECTED	MONITORED		
COMMUNITY	<b>A</b> . 🗆	8. □	<b>A</b> . 🗆	8. 🗆	<b>C</b> . □	A	(mi)
NON-COMMUNITY	Ç. 🗆	<b>⊡</b> X.ɑ	₽. □	€. □	F. 🞾	В	(mi)
III. GROUNDWATER							
01 GROUNDWATER USE	IN VICINITY (Check o	ine)					
XIXA. ONLY SOURCE	FOR DRINKING	B. DRINKING (Other sources evalle) COMMERCIAL, IN (No other water source)	DUSTRIAL, IRRIGATION	(Limited Other	IAL, INDUSTRIAL, IRRIGA sources evallable)	TION []	D. NOT USED, UNUSEABLE
02 POPULATION SERVED	BY GROUND WAT	ER 106	-	03 DISTANCE TO NEA	REST DRINKING WATER	WELL	0.18 <sub>(mi)</sub>
04 DEPTH TO GROUNDW	ATER	05 DIRECTION OF GRO	OUNDWATER FLOW	06 DEPTH TO AQUIFE	OF AQUIFER	LD (	08 SOLE SOURCE AQUIFER
3-5	(ft)	NNE		2 5	m) 28,800	(gpd)	□ YES XX NO
source for t	about th the close he tertia	e useage of st dwelling rv limestone	the shallo to the sit aquifer (	e, is unava Canady's St	ifer, which ilable. Pot eam Plant) a	table and Co	e likely wells olleton State
10 RECHARGE AREA	_			11 DISCHARGE AREA			
Ø YES COMMEN Water	rs Rechar (table)	ge is to the aquifer.	e shallow		<sub>ENTS</sub> Site is t. from a si	tream	ited approx. that would act
IV. SURFACE WATE	R			1.45-6	<del>-                                      </del>	1.31.11111	yl
01 SURFACE WATER USE  A. RESERVOIR, F DRINKING WA	RECREATION	Ø B. IRRIGATIO IMPORTAN	N, ECONOMICALLY NT RESOURCES	☐ C. COMMER	RCIAL, INDUSTRIAL	□ <b>D</b> .	. NOT CURRENTLY USED
02 AFFECTED/POTENTIA	LLY AFFECTED BO	DDIES OF WATER			<del></del>		<del></del>
NAME:					AFFECTED	)	DISTANCE TO SITE
Edisto	River	(potential	)				0.55
	diate str		ntial)	<del></del>		चर	djacent (mi)

(mi) (mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION 02 DISTANCE TO NEAREST POPULATION 01 TOTAL POPULATION WITHIN ONE (1) MILE OF SITE 225 TWO (2) MILES OF SITE B. 578 THREE (3) MILES OF SITE 0.13 \_(mi) NO OF PERSONS 03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE 04 DISTANCE TO NEAREST OFF-SITE BUILDING (600 ft.) 152 \_(mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narretive description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

Sparsely populated rural area. Only a few areas have a grouping of residences with only a few churches in the area (3 mile). Of importance also is the proximity of Colleton State Park (0.75 miles). Within 0.25 miles there are about 8 persons and within 0.50 miles there are about 80 persons.

I. IDENTIFICATION 01 STATE 02 SITE NUMBER

WEFA	PART	5 - WATER, DEMOGRAPHI	I ION REPORT IC, AND ENVIRO	NMENTAL D	ATA SC	980840631
VI. ENVIRONMENTAL INFORMA	TION					
01 PERMEABILITY OF UNSATURATED Z		•				
□ A. 10~6 <b>-</b> 10~	<sup>8</sup> cm/sec	□ B. 10 <sup>-4</sup> - 10 <sup>-6</sup> cm/sec □	C. 10 <sup>-4</sup> - 10 <sup>-3</sup> cm	1/sec X⊠ D.GRI	EATER THAN 1	(0~3 cm/sec
02 PERMEABILITY OF BEDROCK (Check of	me)		<del></del>			
☐ A. IMPERN (Less than I	MEABLE ) 10 <sup>-6</sup> cm/sec)	XXB. RELATIVELY IMPERMEABL (10 <sup>-4</sup> ~ 10 <sup>-6</sup> cm/sec)	C. RELATIVE	LY PERMEABLE	D. VERY F	PERMEABLE (han 10 <sup>-2</sup> cm/sec)
03 DEPTH TO BEDROCK	04 DEPTH OF	F CONTAMINATED SOIL ZONE	05 SOIL p			
		unknown (tt)	very	strongly	acid	<u> </u>
06 NET PRECIPITATION  48-49 (in)	07 ONE YEAR	3.5 (in)	08 SLOPE SITE SLOPE 2.5	DIRECTION OF		TERRAIN AVERAGE SLOPE 0-2 %
09 FLOOD POTENTIAL See 14 ** SITE IS INYEAR FLO	Į.	10 XXSITE IS ON BARRIE	ERISLAND, COASTA	AL HIGH HAZARD	) AREA, RIVERI	INE FLOODWAY
11 DISTANCE TO WETLANDS (5 acre minim	um)		12 DISTANCE TO CRI	TICAL HABITAT (of a		,
ESTUARINE		OTHER		_	N/A	_ (mi)
A(mi)	B	0_00001(mi)	ENDANGER	ED SPECIES:	N/A	
13 LAND USE IN VICINITY			<u> </u>			
DISTANCE TO:  COMMERCIAL/INDUSTR	IAL	RESIDENTIAL AREAS; NATION FORESTS, OR WILDLIFE			AGRICULTUI AG LAND	RAL LANDS AG LAND
A(mi)		в	(mi)	0.076	(mi)	D(mi)
** Site is in flow U.S.G.S.  The site is located Edisto River. The	od-pron d appro topogr	e area of the Edi ximately 25 feet aphy is flat incl	from a stre	eam which marsh-swar	flows n	north to the ex developed
along the Edisto R farmed.	iver.	5011 maps and der	tai photos	Thulcate	area is	extensively
		•				
: i. 						
VII. SOURCES OF INFORMATION	N (Cite specific n	eferences, e.g., state files, sample analysis,	reports)		<del></del>	
State Files (memo	l hatch	2/20/84 from Stan	Clark GWI	 DN		
scace illes (memo	uaceu i	2/20/04 110m 3can	Clark, am	U		

#### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 6 - SAMPLE AND FIELD INFORMATION

	IFICATION
01 STATE	02 SITE NUMBER
SC	980840631

A) LI / I	P#	ART 6 - SAMPLE AND FIELD INFORMATION	30   900840831
II. SAMPLES TAKEN			
SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER			
SURFACE WATER			
WASTE	1	SCDHEC Lab	12/84
AIR			
RUNOFF			
SPILL			
SOIL	2	SCDHEC Lab	12/84
VEGETATION			
OTHER			
III. FIELD MEASUREMENTS TA	KEN		
O1 TYPE H-NU	02 COMMENTS Reading	with spanpot set at 2.5 of 500 pp	m (inside drum)
H-NU	Reading	with spanpot set at 2.5 of 2 ppm	
			area)
Drager Tube	10 ppm fr	om benzene sensitive tube	
IV. PHOTOGRAPHS AND MAPS	3		
01 TYPE R GROUND AERIAL		02 IN CUSTODY OF Bureau of Solid & Haza	rdous Waste Management
03 MAPS 04 LOCATION XX YES SCI	ofmaps OHEC - Centr		
V. OTHER FIELD DATA COLLE	CTED (Provide narrative des	icnation	
Combustible Gas 1 Oxygen meter - no	Indicator -		
VI. SOURCES OF INFORMATIO	N (Cite specific references	o Siele Hex samole analysis (Boots)	
		y . 3110 1102 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
State Files			

<b>≎EPA</b>	F	τOς	SITE INSPE	ARDOUS WASTE SITE ECTION REPORT IER INFORMATION	OI STATE O	02 SIT	
II. CURRENT OWNER(S)				PARENT COMPANY (If applicable)			
OINAME Public Property		02 D	+B NUMBER	OB NAME		09 0	D+B NUMBER
03 STREET ADDRESS (P O Box, AFD . etc.)			04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11 SIC CODE
05 CITY	OB STATE	07 ZI	IP CODE	12 CITY	13 STATE	142	ZIP CODE
01 NAME		02 D	)+B NUMBER	08 NAME		09 [	D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)		-	11 SIC CODE
05 CITY	06 STATE	07 Z	IP CODE	12 CITY	13 STATE	143	ZIP CODE
01 NAME		02 [	D+8 NUMBER	08 NAME	<u></u>	09 (	D+8 NUMBER
03 STREET ADDRESS (P. O. Box. RFD #, etc.)			04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD P. etc.)		.4	11SIC CODE
05 CITY	08 STATE	07 Z	IP CODE	12 CITY	13 STATE	E 142	ZIP CODE
O1 NAME		02 0	D+B NUMBER	OB NAME	<del></del>	090	D+B NUMBER
03 STREET ADDRESS (P 0 Box. RFD #, etc.)			04 SIC CODE	10 STREET ADDRESS (P O Box, RFD . etc.)			11 SIC CODE
05 CITY	06 STATE	07 Z	IP CODE	12 CITY	13 STATE	14	ZIP CODE
III. PREVIOUS OWNER(S) (List most recent fit	rsti -	L		IV. REALTY OWNER(S) (# appacable: Hat	most recent first)		
01 NAME		02 D	)+B NUMBER	01 NAME		02 (	D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE	03 STREET ADDRESS (P.O. Box. RFD #, etc.)			04 SIC CODE
05 CITY	06 STATE	07 Z	IP CODE	05 CITY	06 STATE	07	ZIP CODE
01 NAME		02 D	+ B NUMBER	O1 NAME		02	D+8 NUMBER
03 STREET ADDRESS (P O Box. RFD #, etc.)			04 SIC CODE	03 STREET ADDRESS (P. O. Box, RFD #, etc.)			04 SIC CODE
05 CITY	06 STATE	07 21	IP CODE	05 CITY	06 STATE	07 2	ZIP CODE
01 NAME		02 D	PABMUN 8+C	01 NAME		02	D+B NUMBER
03 STREET ADDRESS (P O Box, RFQ €, etc.)			04 SIC CODE	03 STREET ADDRESS (P. O. Box, RFD #, etc.)		•	04 SIC CODE
OSCITY	OBSTATE	07	ZIP CODE	05 CITY	06 STATE	07	ZIP CODE
V. SOURCES OF INFORMATION (Cite sp	ecilic references.	• 0 1	itate files, sample analysis	i. /eports)		<u> </u>	
State Files							

₽.E	PA
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#### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION

O1 STATE 02 SITE NUMBER

SC 980840631

			- AIII O- OI EII	ATOMINI CHINATION		
II. CURRENT OPERATO	R (Provide # different from	owner)		OPERATOR'S PARENT O	OMPANY ((f applicable)	
01 NAME		19	02 D+B NUMBER	10 NAME		11 D+B NUMBER
None						
03 STREET ADDRESS (P.O. Bo	x, RFD #, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, F	RFD Ø, etc.)	13 SIC CODE
05 CITY		06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER	<del></del>		-		····
III. PREVIOUS OPERAT	OR(S) (List most recent fin	st; provide only	r if different from awner)	PREVIOUS OPERATORS	' PARENT COMPANIES (II	· · · · · · · · · · · · · · · · · · ·
01 NAME	· · · · · · · · · · · · · · · · · · ·	T	02 D+B NUMBER	10 NAME		11 D+B NUMBER
None						
03 STREET ADDRESS (P.O. Bo	x, RFD #, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box.	RFD Ø, etc.)	13 SIC CODE
05 CITY		06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER	URING THIS	S PERIOD			
01 NAME	<u>, , , , , , , , , , , , , , , , , , , </u>		02 D+B NUMBER	10 NAME		11 D+B NUMBER
03 STREET ADDRESS (P.O. 80	x, RFD #, etc.)	J	04 SIC CODE	12 STREET ADDRESS (P.O. Box.)	RFD #, etc.)	13 SIC CODE
05 CITY	- · · · · · · · · · · · · · · · · · · ·	OB STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER	DURING THI	S PERIOD			
01 NAME	<u> </u>	7	02 D+B NUMBER	10 NAME		11 D+B NUMBER
03 STREET ADDRESS (P.O. Bo	x, RFD #, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box.	RFD #, etc.)	13 SIC CODE
,,,						
05 CITY		08 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER	DURING THE	S PERIOD			I
IV. SOURCES OF INFO	RMATION (Cite specific	c references, e	).g., state files, sample and	lysis, reports)		······································
					***	

State Files; interview with district consultant.

	02 D+B NUMBER  04 SIC CODE  ATE 07 ZIP CODE  02 D+B NUMBER
	04 SIC CODE
	ATE 07 ZIP CODE
	ATE 07 ZIP CODE
	02 D+B NUMBER
	ī
los st	04 SIC CODE
	ATE 07 ZIP CODE
	<u> </u>
	02 D+B NUMBER
············	04 SIC CODE
06 ST	ATE 07 ZIP CODE
	02 D+B NUMBER
·	04 SIC CODE
06 ST	ATE 07 ZIP CODE
1	

## POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

OLISTATE 02 SITE NUMBER

SC 980840631

	PART 10 - PAST RESPONSE ACTIVITIES		30 300040031
PAST RESPONSE ACTIVITIES			
01 ☐ A. WATER SUPPLY CLOSED • 04 DESCRIPTION	02 DATE	03 AGENCY	
01  B. TEMPORARY WATER SUPPLY PROVIDE 04 DESCRIPTION	D 02 DATE	03 AGENCY	
01  C. PERMANENT WATER SUPPLY PROVIDE 04 DESCRIPTION	D 02 DATE	03 AGENCY	
01   D. SPILLED MATERIAL REMOVED  04 DESCRIPTION	02 DATE	03 AGENCY	
01   E. CONTAMINATED SOIL REMOVED 04 DESCRIPTION	02 DATE	03 AGENCY	
01 ☐ F. WASTE REPACKAGED 04 DESCRIPTION	02 DATE	03 AGENCY	
01 □ G. WASTE DISPOSED ELSEWHERE 04 DESCRIPTION	02 DATE	03 AGENCY	
01 ☐ H. ON SITE BURIAL 04 DESCRIPTION	02 DATE	03 AGENCY	
01 : IN SITU CHEMICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY	
01   J. IN SITU BIOLOGICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY	
01   K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY	
01 D. ENCAPSULATION 04 DESCRIPTION	02 DATE	03 AGENCY	
01  M. EMERGENCY WASTE TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY	
01 [] N. CUTOFF WALLS 04 DESCRIPTION	02 DATE	03 AGENCY	
01 🖂 O. EMERGENCY DIKING/SURFACE WATER 04 DESCRIPTION	DIVERSION 02 DATE	03 AGENCY	· · · · · · · · · · · · · · · · · · ·
01 [] P CUTOFF TRENCHES/SUMP 04 DESCRIPTION	02 DATE	03 AGENCY	
01 □ Q. SUBSURFACE CUTOFF WALL 04 DESCRIPTION	02 DATE	03 AGENCY	

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## POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES

I. IDEN	IFICATION
01 STATE	02 SITE NUMBER
SC	98084063

YEFA	PART 10 - PAST RESPONSE ACTIVITIES	• <u>SC   980840631</u>
II PAST RESPONSE ACTIVITIES (Continued)	· · · · · · · · · · · · · · · · · · ·	
01 G R. BARRIER WALLS CONSTRUCTED 04 DESCRIPTION	02 DATE	03 AGENCY
01 S. CAPPING/COVERING 04 DESCRIPTION	02 DATE	03 AGENCY
01  T. BULK TANKAGE REPAIRED 04 DESCRIPTION	02 DATE	03 AGENCY
01 D U. GROUT CURTAIN CONSTRUCTED 04 DESCRIPTION	02 DATE	03 AGENCY
01 🗆 V. BOTTOM SEALED 04 DESCRIPTION	02 DATE	03 AGENCY
01 □ W. GAS CONTROL 04 DESCRIPTION	02 DATE	03 AGENCY
01   X. FIRE CONTROL  04 DESCRIPTION	02 DATE	03 AGENCY
01   Y. LEACHATE TREATMENT  04 DESCRIPTION	02 DATE	03 AGENCY
01   Z. AREA EVACUATED  04 DESCRIPTION	02 DATE	03 AGENCY
01 [] 1. ACCESS TO SITE RESTRICTED 04 DESCRIPTION	02 DATE	03 AGENCY
01   2. POPULATION RELOCATED  04 DESCRIPTION	02 DATE	03 AGENCY
01X 3 OTHER REMEDIAL ACTIVITIES 04 DESCRIPTION	02 DATE	03 AGENCY
	ad taken place as of the initi inspection, all drums and some	
III. SOURCES OF INFORMATION (Cite specific refer	acces a grate flat sample applying specific	
ion spend was	ericas, a g., state irea, sample enalysis, reputital	
State Files		



#### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
SC 980840631

ш	ENFORCEMENT	INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION [] YES XXXNO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

State Files

# SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL Environmental Quality Control Analytical Services Data Sheet for Solid Waste and Hydrology

Sample Location (aready	ر ک <i>ک</i>	Site				Coun	tyColler	to	01/				
Sample Type gr	Q.	<u> </u>		Comments_	H	hold Z	NEA						
Date 7-13-84		Collect	ed	by <u>Glen</u> lavles	la. S	Mile:	An "X" in test requ	es	the small	co <sup>°</sup>	lumn indic	at	es
Time Collected (Milit.)	4	1010				21		-	.<7		20		21
Sample Point		CANH		CAN-Z	1	CAN-3			CAN-1	+1	(AN-)	1	CA N-3
Lab No.		10:50		11:05	i	11:10		-1	10:50		11:05		11:10
NH <sub>3</sub> -N, mg/1	Γ	10.1.3		144-0	Γ		Calcium	T	0.50		· · · · · · · · · · · · · · · · · · ·		14
NO <sub>3</sub> /NO <sub>2</sub> -N, mg/1					T		Magnesium	1					
TKN	T				T		Sodium						
Nitrite, N, mg/l	T			· · · · · · · · · · · · · · · · · · ·	Τ		Potassium	T					
T-P,	T				T		Arsenic Y	X	**	X		X	*
Hardness, mg/l	T				T		Barium	Y	**	У		X	
C1, mg/1	1				T		Cadmium	K)	**	X		V	
SO <sub>4</sub> mg/1	T				T		Chromium	X	**	X		X	
Flashpoint, OF	X	ps 10	χ	115	X	120	Copper			``			
Solids, Total, mg/l	ľ		16	<del></del>	1		Iron	1					
Solids, Tot. Diss, mg/l	1				$\dagger$		Lead	X	**	X		X	
Solids, %	T						Manganese		**	X		X	
pH	X	17.2	Y		X	5.1	Mercury	X	**	X		V	
Alkalinity mg/l	ľ		A				Nickel	X	**	-{\ X		Ŷ	
Fluoride, mg/l	T				1		Selenium	V	**	X		Ý	
TOC	T				T		Silver	K	**	X		Ŷ	
Phenols, µg/l	T				1		Zinc			1			
COD	T		Τ					Ī				$\top$	
Cyanide, mg/l	T				T			1					
MBAS, mg/l	1		T		T		Remarks:		<del> </del>		<del></del>		
	T		T				Alma	J.	lecto a	n	aluxe	L	سف
					T		to La		door	Ŋ	int		
	$\dagger$		1		+		10 00	•	2 1 000000 0	<b>1</b> ~	, v ~C		
							**Results	t	o be rele	ase	ed at a la	ite	r date.
Date Received in Regi	or	nal Labora	to	ry			by						
Date Released from Re	gi	onal Labo	ra	tory			by						<del></del>
Date Received in Cent	ra	ıl Laborat	or	'y - 7	$\int_{-\frac{\pi}{2}}$	3/21/	by <u>//.</u>	i	2.8.1				
Date Released from Sp							by						
Date Released from Me					O	184	by AM	7	honb	0	$\overline{\Omega}$		
- · · · · · ·	-	144 4 4	_		,		- ·		7	^	1		

# SOUTH CAROL PARTMENT OF HEALTH AND ENVIR TAL CONTROL Environmental Quality Control Analytical Services Data Sheet for Solid Waste and Hydrology

Location CANADY'S	SITE			ty COLLETON	N					<del></del>
Sample Type CRAB  Date 7/13/84	Collect		HOLD FOR		n 1	the small	CO	lumn	indic	ates
7/13/84		& CHARLE	S STRANGE	test requ						
ime Collected (Milit.)										
ample Point					$\prod$	CAN-1	1			11
ab No.					П	SW 19	T			
1 <sub>3</sub> -N, mg/l	1			Calcium	П					
0 <sub>3</sub> /N0 <sub>2</sub> -N, mg/1				Magnesium	П					
KN				Sodium	$\prod$	<del></del>	1			
itrite, N, mg/l				Potassium	$\prod$		$\top$			11
-P,				Arsenic	ĸ	*				
ardness, mg/l				Barium	K	i				11
1, mg/1			11	Cadmi um	x		1			
O <sub>4</sub> mg/1	1		11	Chromium	x		1		<del></del>	
lashpoint, <sup>O</sup> F	900F			Copper	11	<del> </del>	1			11
olids, Total, mg/l	1-12-1		11	Iron	Ħ		+			
olids, Tot. Diss, mg/l	<b>—</b>			Lead	X		1			11
olids, %		<u> </u>	1	Manganese	$\mathbf{x}$	i	十			11
1				Mercury	x		1			11
lkalinity mg/l	1			Nickel	X		1			$\Pi$
luoride, mg/l		<u> </u>	<u> </u>	Selenium	x	<del></del>	+		<del></del>	11
OC .	1			Silver	$\frac{1}{x}$	!	1			
nenols, µg/l				Zinc	11		$\top$			11
OD	1			1	$\Pi$	·····	+			
/anide, mg/l					$\Pi$	<del></del>				11
BAS, mg/1	<b>†</b>			Remarks: **Could **Lish > Si		, be	<del></del>	<del></del>	1 1	<del>/                                    </del>
	<del> </del>	11		* Coul	c'	, notano	ريا <del>ن</del> از	3CO	ue to	102
· · · · · · · · · · · · · · · · · · ·				1 1/1/sh 201	אריון					
		11		1 '						
Date Received in Regio	nal Labora	tory	4	by						
Date Released from Reg				by						
Date Received in Centr				<del> </del>	JD	W				
Date Released from Spe			<u></u>	by					<del></del>	· · · · · · · · · · · · · · · · · · ·
Date Released from Met		4.	184	by Am sh						

DHEC 40-89 (01/81)

# SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL Environmental Quality Control Analytical Services Data Sheet for Organic Compounds in Solid Waste and Hydrology Samples

Sample a Nady's Location		Cou	nt	y Colleton	1	
Sample Type & rab		Comments				
Date 7-13-84 Collec	te	d By ColeNan	4	Nes An "X"	in	the small column
4.0	L	arles Stran	سدا	indicate	es	test requested.
Time Collected (Milit.)		19	1	$\mathcal{L}$		21
Station No.	$\vdash$	(14)		A 16 35	+	0/1/2
Lab. No.		10100		11160	+	11/10
Chlorinated hydrocarbons, µg/l			+	11.50	+	11.10
Endrin, mg/l	T		+			
Lindane, mg/l						
Methoxychlor, mg/l	T					
Toxaphene, mg/l			T			
	Γ					
Organophosphates, µg/l						
PCBs, ug/l						
Other						
Volatile pregaries	<u> </u>	***		**		**
Acid base Neutral	L,					
Extractables	X	@	X	SEE ATTACHED	1	SEE ATTACHED
					$\bot$	
					1	
	L			<u> </u>	$\perp$	<u>L</u>
Comments **Results reported 08	/1	3/84.				
***Results reported 09	<u>/2</u>	6/84.	_			
@ Results reported 1	1/	15/84.				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Data Danisad in Danisan Labor				D		
Date Received in Regional Labor		~ <del>~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ </del>		By		<del>*</del>
Date Released from Regional Lab			<u>-</u>	By		
Date Received in Central Labora  Date Polessed from Organic Sect		1511		By 161.1	11	Te.
Date Released from Organic Sect				By (1811)	<u>~1</u>	(4me)
DHEC 40-90 (09/81)	og	ram; YellowProg	jra	am; Pink−-Lab;	(iO	IdProgram

## SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL ANALYTICAL SERVICES DIVISION

#### REPORT OF ORGANIC ANALYSIS

Sample Location:

CANADY'S SITE

Sample Type: WASTE

Date of Collection:

07/13/84

Collected by: COLEMAN/MILES

Sample Number:

SW 19

#### **VOLATILE ORGANICS:**

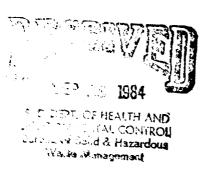
1) benzene

5.4 mg/kg

2) toluene

90.2 mg/kg

- 3) 5-methy1-1H-tetraazole
- 4) methyl cyclopentane
- 5) 1,1-dimethyl cyclopentane
- 6) (chloromethyl) benzene
- 7) bicyclo\2.2.2\octane
- 8) cis-octahydro-pentalene
- 9) cis-1,2-dimethyl-cyclohexane
- 10) 1-propyl spiropentane
- 11) 2-octyne
- 12) ethyl cyclohexane
- 13) tricyclo\3.3.1.13,7\decane
- 14) cis-1,3-dimethyl-cyclohexane
- 15) 1,1,3-trimethyl cyclohexane
- 16) 1-methyl-octahydro-pentalene
- 17) 1,3,5-trimethyl-(1.alpha., 3.alpha., 5 alpha.)-cyclohexane
- 18) 1.2.3-trimethyl cyclohexane
- 19) propyl ester/cyanic acid
- 20) benzene carbothioic acid



Reported by Audillians

Date Wantey



#### SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL AUG 14 1984 ANALYTICAL SERVICES DIVISION

### S. O. DEPT. OF HEALTH AND FRAMORMENTAL CONTROL Currou of Solid & Hiszardous

Waste Managentent

#### REPORT OF ORGANIC ANALYSIS

Sample Location:

CANADY'S SITE

Sample Type:

SEDIMENT

Date of Collection:

JULY 13, 1984

Collected by: MILES

STRANGE

Sample Number:

SW 20, SW 21

SW 20 -- VOLATILE ORGANICS:

1) toluene

 $21.6 \, \mu g/kg$ 

2) 1,1,2,2-tetrachloroethane

 $26.5 \mu g/kg$ 

3) 3-chloro-1-propene

4) 1-(2-propenyloxy)-heptane

5) 1,3-dimethy1-benzene

SW 21 -- VOLATILE ORGANICS:

1) 1.1.2.2-tetrachloroethane

 $51.9 \, \mu g/kg$ 

2) toluene

 $36.9 \, \mu g/kg$ 

3) chlorobenzene

 $55.0 \, \mu g/kg$ 

4) 5-methyl-lH-tetrazole

5) methyl-cyclohexane

6) Bicyclo\3.2.1\octane

7) cis-octahydro-pentalene

8) 1,1-dimethyl-cyclohexane

9) 2,4-dimethy1-3-pentanone

10) cis-1,2-dimethyl-cyclohexane

11) 2-octyne

12) ethyl-cyclohexane

13) 1,1'-ethylidene bis-cyclopentane

14) 2,3,4,5,6,7-hexahydro-1H-inden-1-one

15) 1,1,3-trimethyl-cyclohexane

16) cis-octahydro-1H-indene

17)  $(1.\alpha.,3.\alpha.,5.\alpha)-1,3,5$ -trimethyl-cyclohexane

18) cyanicacid, propylester

Reported by

## SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL ANALYTICAL SERVICES DIVISION

#### REPORT OF ORGANIC ANALYSIS

Sample Location:

CANADY'S SITE

Sample Type: GRAB

Date of Collection:

JULY 13, 1984

Collected by: MILES &

STRANGE

Sample Number:

SW 19

#### BASE-NEUTRAL/ACID EXTRACTABLES:

- (1) 2,3-dimethyl-cyclobutane
- (2) 1-bromo-4-methyl-cyclohexane
- (3) 2,4-dimethy1 hexane
- (4) trans-1-methy1-2-(2-propeny1)cyclopentane
- (5) 2,2,3,3-tetramethyl pentane
- (6) propyl cyclohexane
- (7) 2,6-dimethyl-octane
- (8) 4-(1-methyl ethyl)-heptane
- (9) 3-ethy1-2-methy1-heptane
- (10) 1-ethy1-2-methy1-benzene
- (11) 2,3,4,5-tetrahydropyridine
- (12) 1,2,3-frimethyl benzene
- (13) 5-ethy1-2-methy1-heptane
- (14) 2-bromo-octane
- (15) alpha-methyl-benzene acetaldehyde
- (16) trans-decahydro-naphthalene
- (17) 1-methyl-2-(1-methylethyl)-benzene
- (18) 1-bromo-4-methyl-cyclohexane
- (19) 2,2,3,3-tetramethyl hexane
- (20) 2-methyl-undecane
- (21) 3-bromo-decane
- (22) tridecane
- (23) 4-ethyl-5-methyl-thiazole
- (24) 2-methyl-butylester-propanoic acid
- (25) undecane
- (26) 2,3-dihydro-3-methyl-lH-iden-1-one
- (27) decahydro-1,1,7-trimethy1-4-methylene-1AR-(1H-cycloprop)-E-azulene
- (28) methylester, 2-5-octadecadiynoicacid
- (29) 2-methyl-3,5-dodecadiyne
- (30) 1-(1,1-dimethyl ethyl)-3-methyl-benzene

0-1-111		15/01/
Reported by Movilleans	Date	 1/10/07

### SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL ANALYTICAL SERVICES DIVISION

### REPORT OF ORGANIC ANALYSIS

Sample Location:

CANADY'S SITE

Sample Type: GRAB

Date of Collection: 07/13/84

Collected by: MILES &

STRANGE

Sample Number:

SW 20, SW 21

### SW 20 -- BASE NEUTRAL/ACID EXTRACTABLES:

(1) 3,5-bis(1,1-dimethylethyl)-phenol

- (2) 2-methyl-1-(1-dimethylethyl)-2-methyl-1,3-propan-propanoic acid
- (3) N, N-diphenyl-hydrazinecarboxamide
- (4) 5,7-dimethyl-undecane

#### SW 21 -- BASE NEUTRAL/ACID EXTRACTABLES:

- (1) 2-propyl-1-heptanol
- (2) 3,5-dimethyl-octane
- (3) 4-methyl-2-propyl-1-pentanol
- (4) 0-decyl-hydroxylamine
- (5) 2-methyl-nonane
- (6) 3-methyl-nonane
- (7) 2-methy1-4-(2-methy1 propy1)-cyclopentanone
- (8) decane
- (9) 5-ethyl-2-methyl-heptane
- (10) 4-methy1-5-propy1-nonane
- (11) 2-methyl-decane
- (12) 5-(1-methy1 propy1)-nonane
- (13) 2-propy1-1-heptanol
- (14) heptyl hexyl ether
- (15) decahydro-2-methyl-napthalene
- (16) (4-methylpentyl)-cyclohexane

Reported by	Willams	Date	11/3/24	
• •				

### South carolina Department or Health and Environmental Control

2600 Bull Street Columbia, S.C. 29201

Commissioner Robert S. Jackson, M.D.



Roard

Moses H. Clarkson, Jr., Chairman Leonard W. Douglas, M.D., Vice-Chairman Barbara P. Nuessle, Secretary Gerald A. Kaynard Oren L. Brady, Jr. James A. Spruill, Jr. William H. Hester, M.D.

### MEMORANDUM

T0:

Canady's Abandoned Drum Site File - Colleton County

FROM:

Wilson C. Miles, Jr. Werryle Environmental

Environmental Engineer

Bureau of Solid & Hazardous Waste Management

SUBJECT:

Canady's Abandoned Drum Site Inspection - RCRA 3012 Program

DATE:

July 19, 1984

On July 13, 1984 Charlie Strange, John Cresswell, and this writer, of the Central Office, met Gary Dukes and Fred Sanford of the Low Country District at the intersection of Highway 21 and Highway 61 at about 9:15 a.m. Gary Dukes, the district hazardous waste consultant proceeded to show us the site location.

Upon arrival at the site location, it became apparent that four drums containing an unknown material had been dumped in the ditch on the southern side of Highway 61, east of I-95 and west of Highway 15. At this time we decided to approach the site monitoring for both combustible gases and volatile organic vapors using the Combustible Gas Indicator/Oxygen Meter (CGI/O2 meter) and the HNU.

Use of the CGI/O2 meter yielded no deflection in either the atmosphere around the drums or in the space inside the drums. However, use of the HNU yielded a maximum of two (2) parts per million (ppm) in the area immediately around the drums and readings of up to five hundred (500) ppm inside the open drums using a spanpot setting of 2.5 (see attachment).

Use of the Drager tubes yielded a positive result in the benzene sensitive tube. The approximate measurement obtained from drum C was 10 ppm. It was during this time that Rick Tobin of the Walterboro weekly newspaper, Press & Standard, took photographs of the site inspection in progress.

After the initial monitoring was completed, sampling began to take place. One waste and two sediment samples were taken by this writer who was assisted by Charlie Strange.

Sample #1 (Can - 1) - waste sample from drum C

Sample #3 (Can - 3) - potentially contaminated sediment outside of drums A and D Sample #2 (Can - 2) - background sample located off Highway 61 east of the site

Page Two July 19, 1984

Disposable trowels and scoops were used to put the sample into the containers. However, a glass drum thief was used to sample drum C. Disposable gloves were worn at all times during sampling and were changed between samples. Each sample was immediately placed on ice in a cooler.

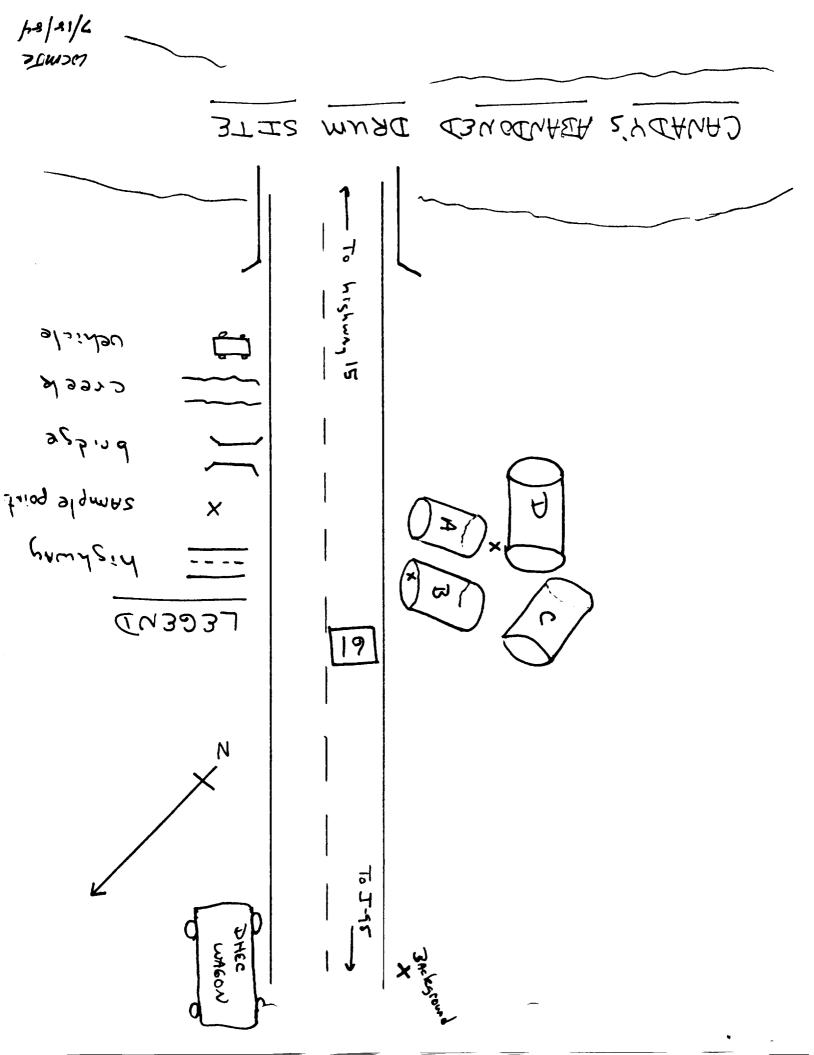
The sampling of this site was performed between 10:50 and 11:10 a.m. The weather conditions were clear, humid, with little breeze. The temperature was near 90 (degrees Fahrenheit).

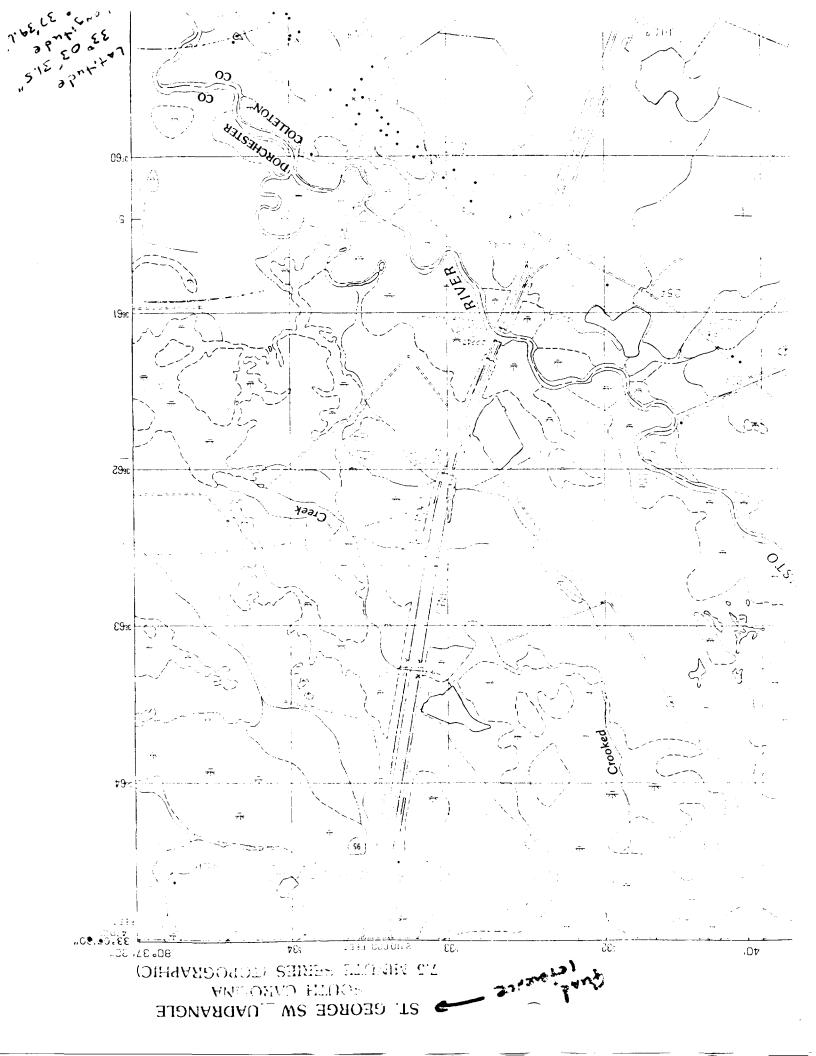
During the sampling, a park ranger (Colleton State Park) stopped by as well as a local property owner.

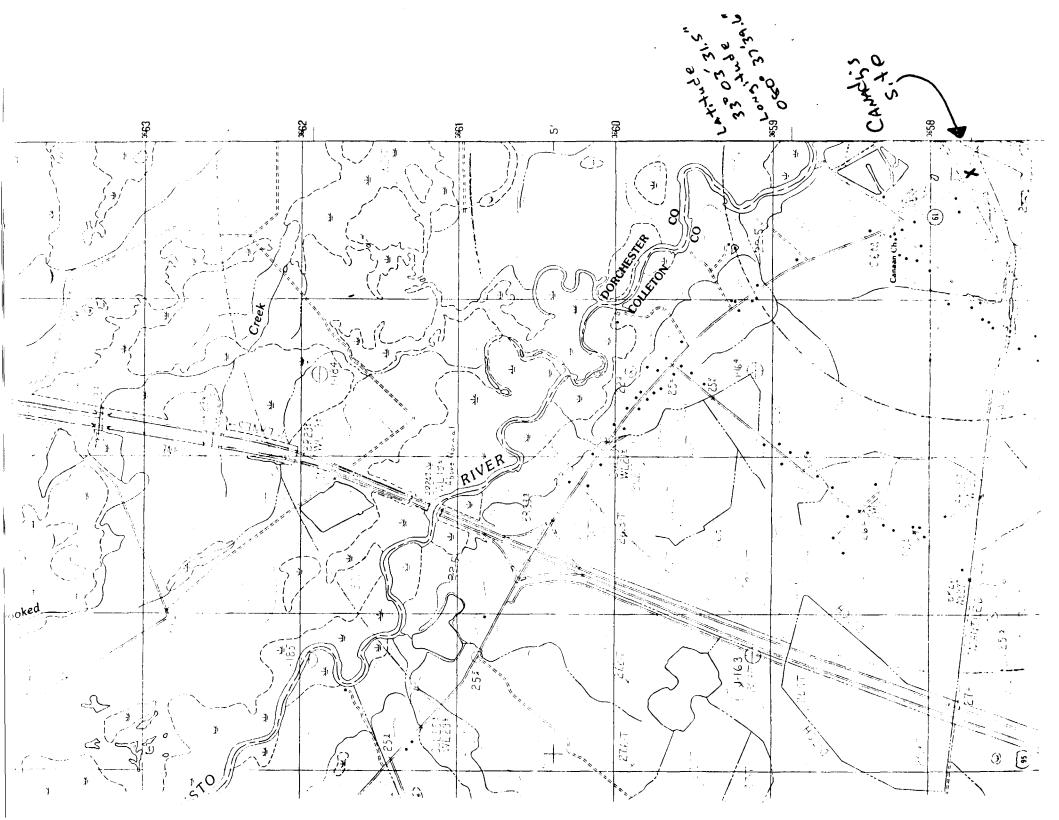
After all sampling took place, the samples were turned in to the DHEC Laboratory at 4:50 p.m. on July 13, 1984. The laboratory custodian, John Wheeler, checked samples in, accepted custody of the samples, and signed the chain of custody form. The analysis run on all samples are tlashpoint, pH, metals (As, Ba, Cd, Cr, Pb, Mn, Hg, Ni, Se, Ag), volatile organics and acid-base-neutral extractables. The samples were held for E.P.

WCM:bes

cc: Gary Dukes, Low Country District Bob Sentelle







**SEPA** 

# POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
SC 980840637

<b>VELY</b>	PART 1 - SITE	SITE INSPECT LOCATION AND			TION L	SC	980840631
II. SITE NAME AND LOCAT						·	
01 SITE NAME (Legal, common, or de			02 STREET, ROU	TE NO., OR SPE	CIFIC LOCATION ID	ENTIFIER	
Canady's Aba	ndoned Drum Sit	e	· ·				near SCE&G
Canadys			SC STATE 05 ZH	29433	occounty Colletor		O7COUNTY 08 CONG CODE DIST
09 COORDINATES	<del></del>	10 TYPE OF OWNERSH					
	0.80°3.7°3.9.6	☐ A. PRIVATE ☐ F. OTHER _	☐ B. FEDERAL	х		. COUNTY . UNKNOW	E. MUNICIPAL N
III. INSPECTION INFORMA  01 DATE OF INSPECTION		00.05.00.05.0050.0					
7 13 / 84	02 SITE STATUS  ACTIVE INACTIVE		984 NNING YEAR	1984 ENDING YEAR	UI	NKNOWN	
04 AGENCY PERFORMING INSPE	CTION (Check all that apply)			Ellowid VEAL			
□ A. EPA □ B. EPA CON	NTRACTOR	·	C. MUNICIP	AL D. D. ML	JNICIPAL CONTRA	ACTOR	·
Ø E. STATE D F. STATE C	(N	lame of firm)	D G. OTHER_				(Name of Rm)
	(N	teme of firm)	U G. OTTIETE		(Specify)		
05 CHIEF INSPECTOR		06 TITLE		•	07 ORGANIZATI	-	08 TELEPHONE NO.
John K. Cresswe	11	Environmo	ental Eng	ineer	SCDHE		803)758-5681
оэ отнея имерестоя Coleman Miles		Environm	ental Eng	jineer	11 ORGANIZATI SCDHE(		12 TELEPHONE NO. 803 ) 758-5681
Charles Strange	•	Environm	ental Mar	nager	SCDHE	C	758-5681
							( )
							( )
							( )
13 SITE REPRESENTATIVES INTE	RVIEWED	14 TITLE	15ADDF	RESS			16 TELEPHONE NO
None					·		( )
							( )
	· · · · · · · · · · · · · · · · · · ·						( )
						<u>-</u>	( )
				······································			( )
							( )
17 ACCESS GAINED BY (Check one)	8 TIME OF INSPECTION	19 WEATHER COND	ITIONS				
EXPERMISSION  WARRANT	9:15 a.m.	Hot & h	umid temp	perature	in mid 9	0's.	
IV. INFORMATION AVAILA	BLE FROM	·•					
01 CONTACT	· · · · · · · · · · · · · · · · · · ·	02 OF (Agency/Organi				1	03 TELEPHONE NO.
John Cresswell		EQC/SCD	HEC			- 1	(803 758-5681
04 PERSON RESPONSIBLE FOR S	SITE INSPECTION FORM	05 AGENCY	06 ORGANIZA	TION	07 TELEPHONE N	<b>-</b> ·	08 DATE
Wilson C. Miles	, Jr.	EQC	SCDHE	EC	(803)758	-5681	1 11 84

9	<b>FPA</b>	

#### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 2 - WASTE INFORMATION

Ì	I. IDENTIFICATION							
	01 STATE	02 SITE NUMBER						
1	SC	980840631						

II WASTEST	TATES, QUANTITIES, AN	D CHARACTERIS	STICS		******			
O1 PHYSICAL STATES (Check at that apply)  X A SOLID  B POWDER, FINES OF F LIQUID  C SLUDGE  CUBIC YARDS  O2 WASTE QUANTIT (Measures of the property)  TONS —  CUBIC YARDS —  CUBIC YARDS		Y AT SITE waste quantities idependent)	O3 WASTE CHARACTERISTICS (Check at Inel apply)   (X A. TOXIC					
(Specify) NO. OF DRUMS _			4					
III. WASTE T	YPE							
CATEGORY	SUBSTANCE N	AME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS	<del> </del>		
SLU	SLUDGE							
OLW	OILY WASTE							
SOL	SOLVENTS		unknown					
PSD	PESTICIDES							
occ	OTHER ORGANIC CH	HEMICALS	unknown					
IOC	INORGANIC CHEMIC	ALS						
ACD	ACIDS							
BAS	BASES							
MES	HEAVY METALS		unknown		suspecte	d -		
IV. HAZARD	OUS SUBSTANCES (See A)	ppendix for most frequenti	y cited CAS Numbers)					
01 CATEGORY	02 SUBSTANCE N	AME	03 CAS NUMBER	04 STORAGE/DIS	POSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION	
SOL	Toluene		108-88-3	illegal d	umping	90.2	mg/kg	
00C	1,1,2,2-tetrac	chloroethai	ne 127-18-5	illegal d	umping	51.9	∙ug/kg	
00C	chlorobenzene		108-90-7	illegal d		55.0	₩g/kg	
SOL.	Benzene		71-43-2	illegal dumping		5.4	mg/kg	
00C	3-chloro-l-pro	opane	999	illegal d	umping	-	-	
00C	2-octane		999	illegal d	umnina	_	_	
	2 00 00110			1110941 4	MIIP III 9		<b>†</b>	
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							<del>†</del>	
			<u> </u>	<u> </u>			· · · · · · · · · · · · · · · · · · ·	
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			<b></b>				<del>                                     </del>	
	<u> </u>		<u> </u>	l		L	<u> </u>	
<del></del>	OCKS (See Appendix for CAS Numb			,				
CATEGORY	01 FEEDSTOO	K NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTO	OCK NAME	02 CAS NUMBER	
FDS			ļ	FDS				
FDS				FDS				
FDS				FDS				
FDS				FDS				
VI. SOURCE	S OF INFORMATION (Cite	specific references, e.g.,	state files, sample enalysis, i	eportal				
Sample	analysis repor	t.						

### **POTENTIAL HAZARDOUS WASTE SITE** SITE INSPECTION REPORT

I. IDENTIFICATION 98084063

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS II. HAZARDOUS CONDITIONS AND INCIDENTS 01 

A. GROUNDWATER CONTAMINATION 02 COBSERVED (DATE: \_ **POTENTIAL** □ ALLEGED 106 03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION Drums are located in a ditch near possible discharge area. 01 XB. SURFACE WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: ☐ ALLEGED 02 C OBSERVED (DATE: **K** POTENTIAL 106 **04 NARRATIVE DESCRIPTION** The drums are located in a wet weather ditch near a small stream and the drums are leaking. 01 G. CONTAMINATION OF AIR 02 OBSERVED (DATE: □ POTENTIAL □ ALLEGED 03 POPULATION POTENTIALLY AFFECTED: \_ 04 NARRATIVE DESCRIPTION 01 D. FIRE/EXPLOSIVE CONDITIONS 02 OBSERVED (DATE: POTENTIAL 03 POPULATION POTENTIALLY AFFECTED: 120 04 NARRATIVE DESCRIPTION The drums are located in a wet weather ditch on Highway 61. Access to the abandoned drums is uncontrolled. There is a potential for fire since the drums are leaking an unknown substance. 01 X E. DIRECT CONTACT 02 OBSERVED (DATE: D POTENTIAL ☐ ALLEGED 120 03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION Access to the abandoned drum site is uncontrolled and the drums are leaking. 01 X) F. CONTAMINATION OF SOIL ☐ POTENTIAL ☐ ALLEGED 0.5 03 AREA POTENTIALLY AFFECTED: **04 NARRATIVE DESCRIPTION** Spillage has occurred around the abandoned drum site from the leaking drums. 01 M G. DRINKING WATER CONTAMINATION 02 C OBSERVED (DATE: X POTENTIAL □ ALLEGED 106 03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION Residences in the area use groundwater as basic water supply. 01 D H. WORKER EXPOSURE/INJURY 02 OBSERVED (DATE: ☐ POTENTIAL ☐ ALLEGED 04 NARRATIVE DESCRIPTION 03 WORKERS POTENTIALLY AFFECTED: 01 II POPULATION EXPOSURE/INJURY 02 OBSERVED (DATE: ☐ POTENTIAL □ ALLEGED 03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION

**≎EPA** 

# POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT ART 3- DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDE

	TIFICATION
OL STATE	980840631

	ZARDOUS CONDITIONS AND INCIDENTS	SC 98	0840631
II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)			
01 (X J. DAMAGE TO FLORA 04 NARRATIVE DESCRIPTION	02 (X OBSERVED (DATE: 7/10/84)	☐ POTENTIAL	☐ ALLEGED
Flora from around the leaking dru	ms has been contaminated.		
01  K. DAMAGE TO FAUNA 04 NARRATIVE DESCRIPTION (include name(s) of species)	02 OBSERVED (DATE:)	□ POTENTIAL	□ ALLEGED
NA	_		
01 D L. CONTAMINATION OF FOOD CHAIN 04 NARRATIVE DESCRIPTION	02 OBSERVED (DATE:)	[] POTENTIAL	☐ ALLEGED
NA			
01 [X] M. UNSTABLE CONTAINMENT OF WASTES (Soils: Runoff Standing Aguids, Leaking drums) 03 POPULATION POTENTIALLY AFFECTED: 120	02 X OBSERVED (DATE: 7/10/84) 04 NARRATIVE DESCRIPTION	☐ POTENTIAL	☐ ALLEGED
Drums present are leaking and has	the potential for runoff.		
01 \( \text{N} \) DAMAGE TO OFFSITE PROPERTY 04 NARRATIVE DESCRIPTION	02 OBSERVED (DATE:)	☐ POTENTIAL	□ ALLEGED
NA			•
01 D. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPS 04 NARRATIVE DESCRIPTION	02   OBSERVED (DATE:)	[] POTENTIAL	□ ALLEGED
01 [X P. ILLEGAL/UNAUTHORIZED DUMPING 04 NARRATIVE DESCRIPTION	02 € OBSERVED (DATE:	[] POTENTIAL	□ ALLEGED
Drums have been dumped along High	way 61 without authorization	n.	
05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEG	GED HAZARDS		
			·
III. TOTAL POPULATION POTENTIALLY AFFECTED:	20		
IV. COMMENTS			
The greatest concern at this time to the abandoned site is uncontro		ing and tha	t access
V. SOURCES OF INFORMATION (Cite specific references e.g., state lifes	sample analysis: reports)		
State Files			

9	FPΔ	

## POTENTIAL HAZARDOUS WASTE SITE

I. IDENI	PICATION
01 STATE	980840631

<b>₩EPA</b>	S PART 4 - PERMIT	ITE INSI AND DES			ON L	SC 980840631
II. PERMIT INFORMATION		·	•			
O1 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE IS	SUED	04 EXPIRATION DATE	05 COMMENTS	
C A. NPDES						
□ B UIC						
C. AIR						
D. RCRA						
□ E. RCRA INTERIM STATUS						
☐ F SPCC PLAN						
☐ G. STATE Specify!						
□ H. LOCAL <sub>(Specify)</sub>						
☐ I. OTHER (Specify)	<del> </del>					
MJ NONE						
III. SITE DESCRIPTION	<u> </u>	<u> </u>				
	AMOUNT 03 UNIT OF	MEASURE	04 TR	EATMENT (Check all that as	oply)	05 OTHER
☐ A. SURFACE IMPOUNDMENT						
B. PILES		<del>,</del>		INCENERATION UNDERGROUND INJE	CTION	☐ A. BUILDINGS ON SITE
🕱 C. DRUMS, ABOVE GROUND	455 ga	<u>11.</u>		CHEMICAL/PHYSICA		
☐ D. TANK, ABOVE GROUND				BIOLOGICAL	_	
☐ E. TANK, BÉLOW GROUND			□ E. 1	WASTE OIL PROCESS	SING	06 AREA OF SITE
☐ F. LANDFILL				SOLVENT RECOVERY		0.5
G. LANDFARM				OTHER RECYCLING/	RECOVERY	(Acree)
□ I. OTHER			⊔ н.	OTHER(Spe	CHy)	•
(Specify) 07 COMMENTS					·	<u> </u>
Illegal dumping of drum	s has occurred.			*** <u>***</u>		
IV. CONTAINMENT						
01 CONTAINMENT OF WASTES (Check one)		C 0 "			1575	
☐ A. ADEQUATE, SECURE	☐ B. MODERATE	∐ C. IN	ADEQU	JATE, POOR	XXD. INSECUP	IE, UNSOUND, DANGEROUS
Drums have apparently become cracked and/or b	een rolled off	a tru	ck a	nd upon imp	act with	the ground have
V. ACCESSIBILITY  01 WASTE EASILY ACCESSIBLE: (学YES						- :
02 COMMENTS	_ 140					
Drums lie on the side o						
VI. SOURCES OF INFORMATION ICHO SPOC	fic references, e.g. state liles, sample	analysis, repoi	rts)			
State Files, on-site in	spection.					

<b>≎EPA</b>
II. DRINKING WA
01 TYPE OF DRINKING (Check as applicable)

I. IDENTIFICATION

<b>\$EPA</b>	SITE INSPECTION REPORT PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA						980840631
II. DRINKING WATER SUPPLY							
01 TYPE OF DRINKING SUPPLY (Check as applicable)		02 STATUS				03	DISTANCE TO SITE
SURFACE	WELL	ENDANGERE	D AFFECTED	) N	MONITORED		
COMMUNITY A.	B. □	A. 🗆	<b>B</b> . □		<b>C</b> . 🗆	À.	(mi)
NON-COMMUNITY C.	D.XD	<b>D</b> . 🗆	E. 🖸		F. 🞾	В.	_ <del>0.18(mi)</del>
III. GROUNDWATER							
O1 GROUNDWATER USE IN VICINITY (Check of XXXA. ONLY SOURCE FOR DRINKING	B. DRINKING (Other sources availab	IDUSTRIAL, IRRIGATION	(Limited o		INDUSTRIAL, IRRIGAT	TION (	□ D. NOT USED, UNUSEABLE
02 POPULATION SERVED BY GROUND WAT	TER 106		03 DISTANCE TO	NEARES	T DRINKING WATER	WELL	0.18 (mi)
04 DEPTH TO GROUNDWATER	05 DIRECTION OF GRO	OUNDWATER FLOW	08 DEPTH TO AQU	JIFER	07 POTENTIAL YIEL	LO	08 SOLE SOURCE AQUIFER
3-5(m)	NNE	!	OF CONCERN	(ft)	28,800	(=pd\	☐ YES XX NO
117						_ (gpd)	<u> </u>
Information about th source for the close utilizing the tertia	Information about the useage of the shallow water aquifer, which is the likely source for the closest dwelling to the site, is unavailable. Potable wells utilizing the tertiary limestone aquifer (Canady's Steam Plant) and Colleton State Park, average depth of 375 feet are 0.4 miles away from the site.						
10 RECHARGE AREA			11 DISCHARGE AF	REA	Sito is		ated approx.
Øyes comments Rechar □no water (table)	ge 15 to the aquifer.	3 Shallow	1 no 25		from a st	tream	that would act
IV. SURFACE WATER			<u></u>	<del></del>	<u> </u>	I . I .	- With
01 SURFACE WATER USE (Check one)  A. RESERVOIR, RECREATION DRINKING WATER SOURCE	⊠ B. IRRIGATIO IMPORTAN	ON, ECONOMICALLY NT RESOURCES	C. COM	MERCIA	AL, INDUSTRIAL	01	D. NOT CURRENTLY USED
02 AFFECTED/POTENTIALLY AFFECTED BO	DIES OF WATER						
NAME:					AFFECTED	)	DISTANCE TO SITE
Edisto River	(potential)	١					0.55
intermediate str		ntial)		<del></del>		ਰ	idiacent (mi)
Illermediate Sti	eam (pocc.	110101)				_	(mi)
							(mi)
V. DEMOGRAPHIC AND PROPERTY	/ INFORMATION			<del></del>			
01 TOTAL POPULATION WITHIN				02	DISTANCE TO NEAR	EST POPU	<b>JLATION</b>
ONE (1) MILE OF SITE TWO (2) MILES OF SITE THREE (3) MILES OF SITE THREE (3) MILES OF SITE C. 741 O.13 (mi)						[3(mi)	
03 NUMBER OF BUILDINGS WITHIN TWO (2)	MILES OF SITE	<del></del>	04 DISTANCE TO	NEARES	ST OFF-SITE BUILDING		
152					0.13		(600 ft.)
05 POPULATION WITHIN VICINITY OF SITE (F							
Sparsely populated a only a few churches Colleton State Park within 0.50 miles th	in the area (0.75 miles	(3 mile). (3). Within	Of impor 0.25 mile	rtano	ce also is	the	proximity of

### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

ı		IFICATION
1	01 STATE	02 SITE NUMBER
ı	SC	980840631

PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA VI. ENVIRONMENTAL INFORMATION 01 PERMEABILITY OF UNSATURATED ZONE (Check one) □ A. 10<sup>-6</sup> - 10<sup>-8</sup> cm/sec □ B. 10<sup>-4</sup> - 10<sup>-8</sup> cm/sec □ C. 10<sup>-4</sup> - 10<sup>-3</sup> cm/sec X図 D. GREATER THAN 10<sup>-3</sup> cm/sec 02 PERMEABILITY OF BEDROCK (Check one) XXB. RELATIVELY IMPERMEABLE C. RELATIVELY PERMEABLE D. VERY PERMEABLE (10<sup>-4</sup> - 10<sup>-6</sup> cm/sec) (Greater than 10<sup>-2</sup> cm/sec) (Greater than 10<sup>-2</sup> cm/sec) ☐ A. IMPERMEABLE 03 DEPTH TO BEDROCK 04 DEPTH OF CONTAMINATED SOIL ZONE 05 SOIL pH very strongly acid unknown 2,000 \_(ft) 07 ONE YEAR 24 HOUR RAINFALL 06 NET PRECIPITATION SITE SLOPE DIRECTION OF SITE SLOPE TERRAIN AVERAGE SLOPE 3.5 48-49 2.5 East 0-2 09 FLOOD POTENTIAL 10 See 14 \*\* XXSITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY \_ YEAR FLOODPLAIN 11 DISTANCE TO WETLANDS (5 acre minimum) 12 DISTANCE TO CRITICAL HABITAT (of endangered species) **ESTUARINE** OTHER N/A\_\_\_(mi) B. \_0\_00001\_\_(mi) N/A \_ (mi) **ENDANGERED SPECIES:** 13 LAND USE IN VICINITY DISTANCE TO: RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES AGRICULTURAL LANDS
G LAND AG LAND COMMERCIAL/INDUSTRIAL 0.18 0.076 0.4 14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY \*\* Site is in flood-prone area of the Edisto River as designated by the 1984 U.S.G.S. The site is located approximately 25 feet from a stream which flows north to the

Edisto River. The topography is flat including the marsh-swamp complex developed along the Edisto River. Soil maps and aerial photos indicate area is extensively farmed.

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

State Files (memo dated 12/20/84 from Stan Clark, GWPD

<b>≎EPA</b>		OTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT ART 6 - SAMPLE AND FIELD INFORMATION	I. IDENTIFICAT 01 STATE 02 SITE SC 980					
II. SAMPLES TAKEN								
SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	0.	3 ESTIMATED DATE RESULTS AVAILABLE				
GROUNDWATER								
SURFACE WATER								
WASTE	1	SCDHEC Lab		12/84				
AIR .								
RUNOFF								
SPILL								
SOIL	2	SCDHEC Lab		12/84				
VEGETATION								
OTHER								
III. FIELD MEASUREMENTS TA								
O1 TYPE H-NU	02 COMMENTS Reading	g with spanpot set at 2.5 of 500 ppm (inside drum)						
H-NU	Reading	with spanpot set at 2.5 of 2 ppm						
		area)						
Drager Tube	10 ppm fr	om benzene sensitive tube						
IV. PHOTOGRAPHS AND MAP	s							
01 TYPE 🙀 GROUND 🗆 AERIAL		02 IN CUSTODY OF Bureau of Solid & Haz	<del>ardous Waste M</del>	<del>lanagement</del>				
03 MAPS 04 LOCATION XX YES SCI	nofmaps DHEC - Centr							
V. OTHER FIELD DATA COLLE	CTED (Provide narrative des	scription)						
Combustible Gas : Oxygen meter - no		no detection						

EPA FORM 2070-13 (7-81)

State Files

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state lifes, sample analysis, reports)

### South Carolina Department of Health and Environmental Control

2600 Bull Street Columbia, S.C. 29201

Commissioner Robert S. Jackson, M.D.

**MEMORANDUM** 

Board

Moses H. Clarkson, Jr., Chairman Leonard W. Douglas, M.D., Vice-Chairman Gerald A. Kaynard, Secretary Barbara P. Nuessle Oren L. Brady, Jr. James A. Spruill, Jr. William H. Hester, M.D.

T0:

US EPA, Region IV 345 Courtland St. Atlanta, GA 30365

FROM:

RCRA 3012 Program 120 Miles

SC DHEC

Bureau of Solid & Hazardous Waste Management

2600 Bull Street Columbia, SC 29201

SUBJECT:

Canady's Abandoned Drum Site - Site Inspection Report

DATE:

January 21, 1985

#### Ι. **EXECUTIVE SUMMARY**

The Canady's Abandoned Drum Site near Canadys in Colleton County is the location of the illegal dumping of four (4) drums of unknown contents. The drums had apparently been off loaded from some transportation vehicle by simply shoving them off the bed and letting them roll to the bottom of the wet weather ditch, crushing some and leaving others burst open and leaking contents on the surrounding area. The drums were located adjacent to an intermittent stream. A site investigation was conducted by the Site Screening & Engineering Section of SC DHEC on July 13, 1984. The site is located northwest of Canadys intersection. Three samples were taken: one of the waste, one of some potentially contaminated soil and one background located east of the site. On August 1, 1984, all existing drums as well as some contaminated soil were removed from the site by a contractor for the State, namely SCA Services out of Pinewood, S.C. At this time, the leaking drums were overpacked along with existing contaminated soil.

### II. BACKGROUND

### Location

The Canadys Abandoned Drum Site is located near SCE&G next to an intermittent stream on the south side of Highway 61 about 0.75 mile west of Canadys intersection (Highway 61 and Highway 15 intersection). The coordinates of the site are latitude 33 degrees 3 minutes and 31.5 seconds and longitude 80 degrees 37 minutes and 39.6 seconds. The closest address for this site would be Canadys, S.C. 29433.

US EPA, Region IV Page Two January 21, 1985

### B. Site Layout

The site is located at the bottom and along the side of the south side portion of the Highway 61 wet weather ditch. It is bordered on the east by an intermittent stream, on the north by Highway 61, and to the south by foliage. The site covers an area of less than 0.5 acres. The nearest drinking water well is 0.18 mile from the site. The Edisto River is located about 0.55 mile due north of the site. The nearest population is about 600 feet away. The site is in a sparsely populated area with only eight (8) persons within 0.25 mile and eighty (80) persons within 0.50 mile. The topography is flat including the marsh-swamp complex developed along the Edisto River. The area is extensively farmed.

### C. Ownership History

The property on which the waste was illegally dumped is public property in the form of a storm drainage system for Highway 61.

### D. Site Use History

The function of the area known as Canady's Abandoned Drum Site is for drainage of water from Highway 61.

### E. Permit and Regulatory History

The Department has never issued a permit for disposal of any kind at this site.

#### F. Remedial Actions to Date

Some remedial action has taken place subsequent to the site inspection on July 13, 1984. SCA Services (contractor for the State) arrived on-site removing spilled material and contaminated soil on August 1, 1984. Waste still present in leaking drums were overpacked and was taken to the SCA Landfill in Pinewood, S.C. to await approval by the State for disposal. Prior to the arrival of SCA, DHEC personnel placed a warning tape around the site to discourage entry.

### G. Summary Trip Report

On July 13, 1984 Charlie Strange, John Cresswell, and the writer, all of the Central Office, met Gary Dukes and Fred Sanford of the Low Country District Office. Our purpose in going was to investigate the hazards present in and around the illegally disposed of drums. The site was monitored for both combustible gases and volatile organics using the Combustible Gas Indicator/Oxygen Meter (CGI/102 meter), the H-NU, and Drager tubes. The only positive results were found using the H-NU (at a spanpot setting of 2.5 a reading of 500 ppm was measured inside the open drums) and the benzene sensitive Drager tube (a 10 ppm measurement of benzene was found in one of the open drums). During the site inspection, we were approached by a representative of a local weekly newspaper. One waste, one potentially contaminated sediment, and one background sediment sample were taken. The samples were analyzed for the following parameters: flashpoint, pH, metals (As, Ba, Cd, Cr, Pb, Mn, Hg, Ni, Se, Ag), volatile organics and acid base neutral extractables. The samples were deposited at the Central Laboratory in Columbia, S.C., maintaining chain of custody. Photographs were taken to maintain a record of sampling and site specific information.

	POTE	NTIAL HAZ	ARDOUS WASTE SITE	I. IDENTIF				
<b>\$EPA</b>		SITE INSP	ECTION REPORT NER INFORMATION	SC SC	2 SIT 98	TE NUMBER 30840631		
II. CURRENT OWNER(S)			PARENT COMPANY (If applicable)			<del></del>		
01 NAME	02 D+1	B NUMBER	08 NAME		09 0	+ B NUMBER		
Public Property	]							
03 STREET ADORESS (P O Box, RFD P, etc.)	0	4 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11 SIC CODE		
05 CITY OB STATE	E O7 ZIP	CODE	12 CITY	13 STATE	142	IP CODE		
01 NAME	02 D+	B NUMBER	08 NAME	<del></del>	09 🛭	+B NUMBER		
03 STREET ADDRESS (P O Box, RFD #, etc.)	0	4 SIC CODE	10 STREET ADDRESS (P O Box, RFD #, etc.)		<b>.</b>	11 SIC CODE		
OS CITY OB STATE	E 07 ZIP	CODE	12 CITY	13 STATE	142	I CODE		
O1 NAME	02 D+	B NUMBER	O8 NAME		09 0	+ B NUMBER		
03 STREET ADDRESS (P.O. Box. RFD #, etc.)	1 0	4 SIC CODE	10 STREET ADDRESS (P. O. Box. RFD 9, etc.)		!	11SIC CODE		
05 CITY 06 STATE	E O7 ZIP	CODE	12 CITY	13 STATE	142	IP CODE		
01 NAME	02 D+	B NUMBER	08 NAME		09D+B NUMBER			
O3 STREET ADDRESS (P O Box, RFD #. etc.)	1 10	04 SIC CODE 10 STREET ADDRESS (P. O. Box, RFD #, etc.)			11 SIC CODE			
OS CITY 06 STATI	E O7 ZIP	CODE	12 CITY	12 CITY 13 STATE				
III. PREVIOUS OWNER(S) (List most recent first)	<u> </u>		IV. REALTY OWNER(S) (If applicable, list mo	DEL CACADI (KEL)	1			
01 NAME	02 D+	B NUMBER	01 NAME		02 D+B NUMBER			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	1	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE		
05 CITY OBSTATE	E 07 ZIP	CODE	05 CITY 06 STATE			07 ZIP CODE		
O1 NAME	02 D+	8 NUMBER	01 NAME			02 D+8 NUMBER		
03 STREET ADDRESS (P O Box, RFD #, etc.)	04 SIC CODE		O3 STREET ADDRESS (P.O. Box, RFD #, etc.)		L	04 SIC CODE		
OS CITY OB STATE	E 07 ZIP	CODE	05 CITY	08 STATE	07 2	IP CODE		
O3 STREET ADDRESS IP O BOX. RFQ . etc.)		B NUMBER	01 NAME	<u>l</u>	02 D+B NUMBER			
		4 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)		1	04 SIC CODE		
05CITY 06STATE	07 21	P CODE	O5 CITY	08 STATE	07 2	I CIP CODE		
V. SOURCES OF INFORMATION (Cite specific references	i. e g , stat	e liles, sample analy:	sis, reports)		L_			
State Files		-						

			PART 8 - OPERA			SC 980840631				
II. CURRENT OPERATO	DR (Provide II different from				PERATOR'S PARENT COMPANY (# applicable)					
None		,	02 D+B NUMBER	10 NAME		11 D+B NUMBER				
None	2504		TO4 SIC CODE	42 CTREET ADDRESS (D.O. Bay BED 4 ata)		13 SIC CODE				
03 STREET ADDRESS (P.O. &	ox, HFU #, etc.;		O4 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 S#C CODE				
05 CITY		06 STATE	07 ZIP CODE	14 CITY	15 STATE	18 ZIP CODE				
08 YEARS OF OPERATION	09 NAME OF OWNER	<u></u> _	L			<u> </u>				
III. PREVIOUS OPERAT	FOR(S) (List most recent fi	irst; provide on	ily if different from owner)	PREVIOUS OPERATORS' PAREN	NT COMPANIES (#	applicable)				
None			02 D+B NUMBER	10 NAME		11 D+8 NUMBER				
03 STREET ADDRESS (P.O. B	iox, RFD #, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)	,	13 SIC CODE				
05 CITY		06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE				
08 YEARS OF OPERATION	09 NAME OF OWNER	DURING THI	S PERIOD							
01 NAME	<u> </u>		02 D+B NUMBER	10 NAME		11 D+B NUMBER				
03 STREET ADDRESS (P.O. &	ox, RFD €, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)	,	13 SIC CODE				
05 CITY		06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE				
08 YEARS OF OPERATION	09 NAME OF OWNER	DURING TH	IS PERIOD			<u> </u>				
01 NAME		<u></u>	02 D+8 NUMBER	10 NAME		11 D+8 NUMBER				
03 STREET ADDRESS (P.O. B.	ox, RFD €, etc.)	<u></u>	04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)	,	13 SIC CODE				
05 CITY		06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE				
08 YEARS OF OPERATION	09 NAME OF OWNER	DURING TH	<u></u>			L				
IV. SOURCES OF INFO	DRMATION (Cite specific	ffic references,	e.g., state files, sample analy	rsis, reports)						
State Fil	es; intervi	ew wit	th district	consultant.						

EPA FORM 2070-13 (7-81)

	F	701	ENTIAL HAZ	ARDOUS WASTE SITE	I. IDENTIFICATION					
! <b>SEPA</b>			SITE INSPE	O1 STATE						
	PART	9 - 0	SENERATOR/TF	RANSPORTER INFORMATION	30 13	80840631				
II. ON-SITE GENERATOR										
01 NAME		02 [	D+B NUMBER							
None							1			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE	7						
							!			
05 CITY	08 STATE	07 7	ZIP CODE	7						
III. OFF-SITE GENERATOR(S)										
01 NAME		02 [	D+B NUMBER	01 NAME		02 D+B NUMBER				
None		$oldsymbol{ol}}}}}}}}}}}}}}$					ļ			
03 STREET ADDRESS (P.O. Box. RFD #. elc.)			04 SIC CODE	03 STREET ADDRESS (P.O. 80x, RFD €, etc.)		04 SIC CODE				
05 CITY	06 STATE	07	ZIP CODE	05 CITY	O6 STATE	07 ZIP CODE				
O1 NAME		02 (	D+B NUMBER	O1 NAME		02 D+B NUMBER				
O3 STREET ADDRESS (P.O. Box. RFD #, etc.)		<u> </u>	04 SIC CODE	03 STREET ADDRESS (P O. Box, RFD #, etc.)		04 SIC CODE				
05 CITY	08 STATE	107	3/9 CODE	10000	TOE STATE	07 ZIP CODE				
05 CH Y	000171.2		ZIP CODE	05 CITY	00 31A12	U7 ZIF CODE				
IV. TRANSPORTER(S)										
01 NAME		021	D+B NUMBER	01 NAME		02 D+B NUMBER				
None	·	L								
03 STREET ADDRESS (P O. Box, RFD #, etc.)			04 SIC CODE	O3 STREET ADDRESS (P. O. Box, RFD #, etc.)		04 SIC CODE				
O5 CITY .	06 STATE	07	ZIP CODE	05 CITY	OB STATE	07 ZIP CODE				
							•			
01 NAME		021	D+B NUMBER	O1 NAME		02 D+B NUMBER				
		1								
03 STREET ADDRESS (P.O. BOX, RFD P. etc.)			04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE				
05 CITY	08 STATE	07	ZIP CODE	05 CITY	OB STATE	07 ZIP CODE				
				<b>,</b>	į į					
V. SOURCES OF INFORMATION (Cres apec	cific references.	. e.g., í	state files, sample enalysis,	. reports)	······	L				
				, and the second		- · · · · · · · · · · · · · · · · · · ·				
State Files, distri	ct con	su <sup>1</sup>	ltant							
·										

EPA FORM 2070-13 (7-81)

### **SEPA**

# POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

O1 STATE O2 SITE NUMBER

SC 980840631

yera ,	PART 10 - PAST RESPONSE ACTIVITIES	SC 980840631
PAST RESPONSE ACTIVITIES		
01 □ A. WATER SUPPLY CLOSED • 04 DESCRIPTION	02 DATE	03 AGENCY
01   B. TEMPORARY WATER SUPPLY PROVIDED  04 DESCRIPTION	D 02 DATE	03 AGENCY
01 C. PERMANENT WATER SUPPLY PROVIDED 04 DESCRIPTION	D 02 DATE	03 AGENCY
01   D. SPILLED MATERIAL REMOVED 04 DESCRIPTION	02 DATE	03 AGENCY
01   E. CONTAMINATED SOIL REMOVED  O4 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ F. WASTE REPACKAGED 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ G. WASTE DISPOSED ELSEWHERE 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ H. ON SITE BURIAL 04 DESCRIPTION	02 DATE	03 AGENCY
01  I. IN SITU CHEMICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
01 🗆 J. IN SITU BIOLOGICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
01 D K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ L. ENCAPSULATION 04 DESCRIPTION	02 DATE	03 AGENCY
01 DM. EMERGENCY WASTE TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
01 D. N. CUTOFF WALLS 04 DESCRIPTION	02 DATE	O3 AGENCY
01 [] O EMERGENCY DIKING/SURFACE WATER 04 DESCRIPTION	DIVERSION 02 DATE	03 AGENCY
01 () P CUTOFF TRENCHES/SUMP 04 DESCRIPTION	02 DATE	03 AGENCY
01 [] Q. SUBSURFACE CUTOFF WALL 04 DESCRIPTION	02 DATE	03 AGENCY

€F	PΔ
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#### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES

I. IDEN	HEICATION
01 STATE	02 SITE NUMBER
SC	98084063

AST RESPONSE ACTIVITIES (Continued)  01	02 DATE	03 AGENCY
	02 DATE	03 AGENCY
01 S. CAPPING/COVERING 04 DESCRIPTION	02 DATE	03 AGENCY
01 🗆 T. BULK TANKAGE REPAIRED 04 DESCRIPTION	02 DATE	03 AGENCY
01 □ U. GROUT CURTAIN CONSTRUCTED 04 DESCRIPTION	O2 DATE	D3 AGENCY
01  V. BOTTOM SEALED 04 DESCRIPTION	O2 DATE	03 AGENCY
01  W. GAS CONTROL 04 DESCRIPTION	O2 DATE	03 AGENCY
01   X. FIRE CONTROL  04 DESCRIPTION	02 DATE	03 AGENCY
01 D Y. LEACHATE TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
01 🗆 Z. AREA EVACUATED 04 DESCRIPTION	O2 DATE	O3 AGENCY
01 [] 1. ACCESS TO SITE RESTRICTED 04 DESCRIPTION	O2 DATE	
01   2. POPULATION RELOCATED 04 DESCRIPTION	02 DATE	03 AGENCY
01XQ 3 OTHER REMEDIAL ACTIVITIES 04 DESCRIPTION	O2 DATE	03 AGENCY
No remedial activities h	ad taken place as of the i inspection, all drums and	nitial site inspection; some contaminated soil have
SOURCES OF INFORMATION ICHe specific refere	ences a o state files, sample analysia, reports)	
	711-50. 7 g., 4161-5	<del></del>
State Files		



### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

SC 980840631

11	ENEODO	CMENT	INFORMATION
H.	ENFURG	CMCN I	INFUNMATION

01 PAST REGULATORY/ENFORCEMENT ACTION [] YES XXNO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

State Files

### SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL Environmental Quality Control Analytical Services Data Sheet for Solid Waste and Hydrology

Sample Location awad Sample Type gr	ر کلا	: 5:4e			1	Coun	ty Colle	to	ON				<del></del>
Sample Type 91	0	b		_Comments_	1	told X	<u> </u>		. 1 . 1 . 1 . 1				
Date 7-13-84		Collect	ted ~ 1	by <u>Cales</u>	la.	n Mile:	s An "X" ir test requ	ie:	the small sted	CO	olumn indic	:at	es
			7	laries	7			$\overline{I}$		-1	1	77	01
Time Collected (Milit.	) [	(6) (1)	 	<1.73 miles	 <del> </del>	21				$\downarrow$	<u> </u>		21
Sample Point	1	CAN	$\perp$	CAN-2	4	CAN-3		<u> </u>	CAN-1	$\dashv$	CAN	$\overline{}$	CAN-
Lab No.	$\perp$	10:50	$\downarrow$	11:05	$\downarrow$	11:10		4	10:50	$\dashv$	11:05	$\bot$	11:10
NH <sub>3</sub> -N, mg/l	$\perp$		1		$\downarrow$		Calcium	Ц		$\downarrow$		$\perp \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$	
$N0_3/N0_2-N, mg/1$			$\perp$		1		Magnesium	Ц					<u> </u>
TKN					L		Sodium	Ц		$\perp$		$\perp \mid$	
Nitrite, N, mg/l							Potassium	Ц					
T-P,							Arsenic	X	**	_ •	XX	X	*
Hardness, mg/l					T		Barium	X	**		y ')	X	
C1, mg/l			T		T		Cadmium	X	**	7	Y	Y	
SO <sub>4</sub> mg/1	1		1		T		Chromium	X	**		X	X	
Flashpoint, <sup>O</sup> F	X	13 11	X	115	5	120	Copper						
Solids, Total, mg/l			1		1		Iron	П	**************************************	7		$\top$	
Solids, Tot. Diss, mg/	1		+		1		Lead	Y	**	-	x	X	
Solids, %	$\top$		+		T		Manganese		**	<u>-</u> (	X	X	
pH	V	17.2	$\forall$	; 0;	1	5.9	Mercury	V	**		Y	\ V	
Alkalinity mg/l	+		A		1		Nickel	X	**	-{		Ŷ	
Fluoride, mg/l	十		$\dagger$		$\dagger$		Selenium	V	**	1	X	$\overrightarrow{V}$	
TOC	$\dagger$		$\dagger$		$\dagger$	<del> </del>	Silver	N	**	-	X	∜	
Phenols, µg/l	+		$\dagger$		$\dagger$	<del>                                     </del>	Zinc		<u> </u>	1		1	ļ ———
COD	+	<del> </del>	$\dagger$		$\dagger$	<u> </u>	<b> </b>	H	<del></del>	+	<del>                                     </del>	+	
Cyanide, mg/l	+		+		十	<del> </del>		$\vdash$		+			
MBAS, mg/1	+	<del> </del>	+		+		Remarks:			1	1		
7.157.03 mg/ 1	+		+		╁		[]	١.	Luton	$\sim$	alege	4	1.0
	+	<del> </del>	+		+		A W I O	J)		_	in the		
	+		+		+		to lo	u	rloalli	V	Surc		
	+		+		+		**Results	<b>3</b> 1	to be rele	eas	sed at a la	ate	r date
Date Received in Reg	ior	nal Labor	atc	ry			by						
Date Released from R							by						
Date Received in Cen					7	3/21/	. 7	•	1 (				
Date Released from S							by		·····		······································		
Date Released from M				-415	<u></u>	184	by AM	7	han	/V	$\mathcal{M}$		
_ x20				Program:		<del>-1</del>	ognam. Din						

# SOUTH CAROL PARTMENT OF HEALTH AND ENVIRON ITAL CONTROL Invironmental Quality Control Analytical Services Data Sheet for Solid Waste and Hydrology

Location CANADY!	S SITE		Count	y COLLETON	Ŋ					
Sample Type CR	ΔR	Comments	HOLD FOR	EP		·				<del></del>
Date7/13/84	Collected				n 1	the small	colu	mn indic	cate	es
Time Collected (Milit.	)		#		$\prod$		$\Pi$		$\prod$	
Sample Point		1			H	CAN-1	+	<del></del>	++	
Lab No.					$\Pi$	SW 19	11		H	
NH <sub>3</sub> -N, mg/l				Calcium	$\prod$		11		11	
NO <sub>3</sub> /NO <sub>2</sub> -N, mg/l			- 1	Magnesium	П		11		11	
TKN			Ĭ,	Sodium	$\Pi$		$\Box$	<del></del>	$\prod$	
Nitrite, N, mg/l			II II	Potassium	П		11	<del></del>	11	
T-P,			1	Arsenic	ĸ	*	1		$\prod$	<del></del>
Hardness, mg/l				Barium	ĸ	1	11		$\prod$	
C1, mg/1				Cadmium	ĸ		11		11	
SO <sub>4</sub> mg/1				Chromium	x		11		$\prod$	
Flashpoint, <sup>O</sup> F	900F		i	Copper	$\prod$		11		$\prod$	
Solids, Total, mg/l				Iron	$\prod$		11		T	
Solids, Tot. Diss, mg/	1			Lead	x	ĺ	$\prod$	*****************	$\prod$	
Solids, %				Manganese	x				$\prod$	
рН				Mercury	x		11		T	
Alkalinity mg/l				Nickel	x				$\prod$	
Fluoride, mg/l				Selenium	X		1		$\prod$	
TOC				Silver	x	1			$\prod$	
Phenols, µg/l				Zinc	П				$\prod$	
COD					$\prod$		$\prod$		$\prod$	
Cyanide, mg/l					$\prod$			_	$\prod$	_
MBAS, mg/l				Remarks: **Could flust poi	d int	notano	dyz	colue to	10	$\omega$
Date Received in Reg				у						
Date Released from R				у						
Date Received in Cen				_	JD	W				
Date Released from S				у				<del></del>		<del></del>
Date Released from M	etals Section_	2/14/8	<u>'4</u> b	y AMShi	CC	thoca				
	11622. *		1		١.	0	0-1			

DHEC 40-89 (01/81)

White - Program; Yellow - Program; Pink - Program; Gold - Lab

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL Environmental Quality Control

Analytical Services Data Sheet for Organic Compounds in Solid Waste and
Hydrology Samples

Sample (a rady)s				<b>.</b>			
Location		(	Count	y Call	etos	_	
Sample Type grab		Comments	<b>-</b>				
Date 7-13-84 Collect	te	d By ColeNan	1	Ves 1	\n "X" i	n	the small column
+0	h	arles Stu	N	ا و	naicate	<b>}</b> S	test requested.
Time Collected (Milit.)		19		<u>.</u> [.	Ó		2.1
Station No.		(AN-1		AN	`2	$\sqcap$	CA11-3
Lab. No.		10:50		11405		П	11:10
Chlorinated hydrocarbons, µg/l				<del></del>		П	
Endrin, mg/l							
Lindane, mg/l						П	
Methoxychlor, mg/l				····	<del></del>	$\prod$	
Toxaphene, mg/l							
				<del></del>	<del></del>	$\sqcup$	: 
Organophosphates, µg/l	$\perp$					$\downarrow \downarrow$	
						$\bot$	<del></del>
DOD - 11	1					+	
PCBs, μg/1	1					$\coprod$	
	-					$\downarrow\downarrow$	
	+				<del></del>	$\coprod$	<del></del>
Other	1				<del></del>	$\sqcup$	
Volatile organics	M	***		**		4	**
Acid base Neutral					<del> </del>		
Extractables	X	@	X	SEE AT	TACHED	N	SEE ATTACHED
	+				<del></del>	$\mathbb{H}$	
	H					+	•
Comments **Results reported 08	1 / 1 3 / 1	3/84.				للل	<u></u>
***Results reported 09				<del></del>	<del></del>		
@ Results reported							
			<del></del>				<u></u>
Date Received in Regional Labor	at	ory		Ву			
Date Released from Regional Laboratory							
Date Received in Central Labora			7	By By		·	
Date Released from Organic Sect		. / . / .	4	By	april	U	igms)
WhitePr		ram; YellowP		m; Pink	l.ab; (		
DHEC 40-90 (09/81)	-		•		•		•

### SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL ANALYTICAL SERVICES DIVISION

### REPORT OF ORGANIC ANALYSIS

Sample Location:

CANADY'S SITE

Sample Type: WASTE

Date of Collection:

07/13/84

Collected by: COLEMAN/MILES

Sample Number:

SW 19

### **VOLATILE ORGANICS:**

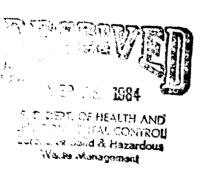
1) benzene

5.4 mg/kg

2) toluene

90.2 mg/kg

- 3) 5-methyl-1H-tetraazole
- 4) methyl cyclopentane
- 5) 1,1-dimethyl cyclopentane
- 6) (chloromethy1) benzene
- 7) bicyclo\2.2.2\octane
- 8) cis-octahydro-pentalene
- 9) cis-1,2-dimethyl-cyclohexane
- 10) 1-propyl spiropentane
- 11) 2-octyne
- 12) ethyl cyclohexane
- 13) tricyclo\3.3.1.13,7\decane
- 14) cis-1,3-dimethyl-cyclohexane
- 15) 1,1,3-trimethyl cyclohexane
- 16) 1-methyl-octahydro-pentalene
- 17) 1,3,5-trimethyl-(1.alpha., 3.alpha., 5 alpha.)-cyclohexane
- 18) 1.2.3-trimethyl cyclohexane
- 19) propyl ester/cyanic acid
- 20) benzene carbothioic acid



Reported by Addillians

Date 9/31/84



### SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL AUG 14 1984

ANALYTICAL SERVICES DIVISION

S. O. DEPT. OF HEALTH AND FEMILION MENTAL CONTROL Curron of Solid & Hiszardons Waste Management

### REPORT OF ORGANIC ANALYSIS

Sample Location:

CANADY'S SITE

Sample Type:

SEDIMENT

Date of Collection:

JULY 13, 1984

Collected by: MILES

STRANGE

Sample Number:

SW 20, SW 21

SW 20 -- VOLATILE ORGANICS:

1) toluene

21.6 ug/kg

2) 1,1,2,2-tetrachloroethane

 $26.5 \, \mu g/kg$ 

3) 3-chloro-1-propene

4) 1-(2-propenyloxy)-heptane

5) 1,3-dimethyl-benzene

SW 21 -- VOLATILE ORGANICS:

1) 1,1,2,2-tetrachloroethane

 $51.9 \mu g/kg$ 

2) toluene

 $36.9 \mu g/kg$ 

3) chlorobenzene

 $55.0 \, \mu g/kg$ 

4) 5-methyl-1H-tetrazole

5) methyl-cyclohexane

6) Bicyclo\3.2.1\octane

7) cis-octahydro-pentalene

8) 1,1-dimethyl-cyclohexane

9) 2,4-dimethy1-3-pentanone

10) cis-1,2-dimethyl-cyclohexane

11) 2-octyne

12) ethyl-cyclohexane

13) 1,1'-ethylidene bis-cyclopentane

14) 2,3,4,5,6,7-hexahydro-1H-inden-1-one

15) 1,1,3-trimethyl-cyclohexane

16) cis-octahydro-1H-indene

17)  $(1.\alpha.,3.\alpha.,5.\alpha)-1,3,5$ -trimethyl-cyclohexane

18) cyanicacid, propylester

Reported by

### SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL ANALYTICAL SERVICES DIVISION

#### REPORT OF ORGANIC ANALYSIS

Sample Location:

CANADY'S SITE

Sample Type: GRAB

Date of Collection:

JULY 13, 1984

Collected by: MILES &

STRANGE

Sample Number:

SW 19

### BASE-NEUTRAL/ACID EXTRACTABLES:

- (1) 2,3-dimethyl-cyclobutane
- (2) 1-bromo-4-methyl-cyclohexane
- (3) 2,4-dimethyl hexane
- (4) trans-1-methyl-2-(2-propenyl)cyclopentane
- (5) 2,2,3,3-tetramethyl pentane
- (6) propyl cyclohexane
- (7) 2,6-dimethyl-octane
- (8) 4-(1-methyl ethyl)-heptane
- (9) 3-ethy1-2-methy1-heptane
- (10) 1-ethyl-2-methyl-benzene
- (11) 2,3,4,5-tetrahydropyridine
- (12) 1,2,3-frimethyl benzene
- (13) 5-ethyl-2-methyl-heptane
- (14) 2-bromo-octane
- (15) alpha-methyl-benzene acetaldehyde
- (16) trans-decahydro-naphthalene
- (17) 1-methy1-2-(1-methy1ethy1)-benzene
- (18) 1-bromo-4-methyl-cyclohexane
- (19) 2,2,3,3-tetramethyl hexane
- (20) 2-methyl-undecane
- (21) 3-bromo-decane
- (22) tridecane
- (23) 4-ethyl-5-methyl-thiazole
- (24) 2-methyl-butylester-propanoic acid
- (25) undecane
- (26) 2,3-dihydro-3-methyl-1H-iden-1-one
- (27) decahydro-1,1,7-trimethy1-4-methylene-1AR-(1H-cycloprop)-E-azulene

¢:

- (28) methylester, 2-5-octadecadiynoicacid
- (29) 2-methy1-3,5-dodecadiyne
- (30) 1-(1,1-dimethyl ethyl)-3-methyl-benzene

Reported by Aprilleans	Date	. //	/	15	1/8	74	
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### SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL ANALYTICAL SERVICES DIVISION

### REPORT OF ORGANIC ANALYSIS

Sample Location:

CANADY'S SITE

Sample Type: GRAB

Date of Collection: 07/13/84

Collected by: MILES &

STRANGE

Sample Number:

SW 20, SW 21

### SW 20 -- BASE NEUTRAL/ACID EXTRACTABLES:

(1) 3,5-bis(1,1-dimethylethyl)-phenol

- (2) 2-methy1-1-(1-dimethylethy1)-2-methy1-1,3-propan-propanoic acid
- (3) N, N-diphenyl-hydrazinecarboxamide
- (4) 5,7-dimethyl-undecane

### SW 21 -- BASE NEUTRAL/ACID EXTRACTABLES:

- (1) 2-propy1-1-heptanol
- (2) 3,5-dimethyl-octane
- (3) 4-methy1-2-propy1-1-pentano1
- (4) 0-decyl-hydroxylamine
- (5) 2-methyl-nonane
- (6) 3-methyl-nonane
- (7) 2-methy1-4-(2-methy1 propy1)-cyclopentanone
- (8) decane
- (9) 5-ethyl-2-methyl-heptane
- (10) 4-methyl-5-propyl-nonane
- (11) 2-methyl-decane
- (12) 5-(1-methyl propyl)-nonane
- (13) 2-propyl-1-heptanol
- (14) heptyl hexyl ether
- (15) decahydro-2-methyl-napthalene
- (16) (4-methylpentyl)-cyclohexane

		1.11111			1. /2.	
Reported	by	Williams		Date	11/30/84	
			·		7	

### South carolina Department of Health and Environmental Control

2600 Bull Street Columbia, S.C. 29201

Commissioner Robert S. Jackson, M.D.



Board

Moses H. Clarkson, Jr., Chairman Leonard W. Douglas, M.D., Vice-Chairman Barbara P. Nuessle, Secretary Gerald A. Kaynard Oren L. Brady, Jr. James A. Spruill, Jr. William H. Hester, M.D.

### MEMORANDUM

T0:

Canady's Abandoned Drum Site File - Colleton County

FROM:

Wilson C. Miles, Jr. Werrije Environment

Environmental Engineer

Bureau of Solid & Hazardous Waste Management

SUBJECT:

Canady's Abandoned Drum Site Inspection - RCRA 3012 Program

DATE:

July 19, 1984

On July 13, 1984 Charlie Strange, John Cresswell, and this writer, of the Central Office, met Gary Dukes and Fred Sanford of the Low Country District at the intersection of Highway 21 and Highway 61 at about 9:15 a.m. Gary Dukes, the district hazardous waste consultant proceeded to show us the site location.

Upon arrival at the site location, it became apparent that four drums containing an unknown material had been dumped in the ditch on the southern side of Highway 61, east of I-95 and west of Highway 15. At this time we decided to approach the site monitoring for both combustible gases and volatile organic vapors using the Combustible Gas Indicator/Oxygen Meter (CGI/O2 meter) and the HNU.

Use of the CGI/O2 meter yielded no deflection in either the atmosphere around the drums or in the space inside the drums. However, use of the HNU yielded a maximum of two (2) parts per million (ppm) in the area immediately around the drums and readings of up to five hundred (500) ppm inside the open drums using a spanpot setting of 2.5 (see attachment).

Use of the Drager tubes yielded a positive result in the benzene sensitive tube. The approximate measurement obtained from drum C was 10 ppm. It was during this time that Rick Tobin of the Walterboro weekly newspaper, Press & Standard, took photographs of the site inspection in progress.

After the initial monitoring was completed, sampling began to take place. One waste and two sediment samples were taken by this writer who was assisted by Charlie Strange.

Sample #1 (Can - 1) - waste sample from drum C

Sample #3 (Can -3) - potentially contaminated sediment outside of drums A and D Sample #2 (Can -2) - background sample located off Highway 61 east of the site

Page Two July 19, 1984

Disposable trowels and scoops were used to put the sample into the containers. However, a glass drum thief was used to sample drum C. Disposable gloves were worn at all times during sampling and were changed between samples. Each sample was immediately placed on ice in a cooler.

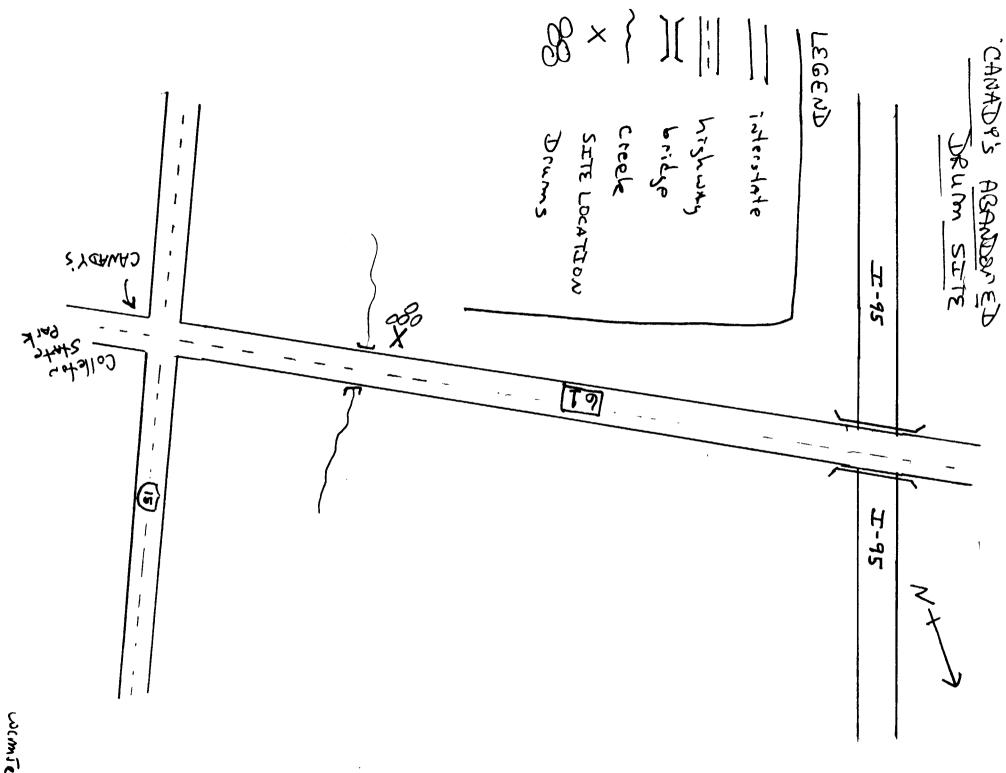
The sampling of this site was performed between 10:50 and 11:10 a.m. The weather conditions were clear, humid, with little breeze. The temperature was near 90 (degrees Fahrenheit).

During the sampling, a park ranger (Colleton State Park) stopped by as well as a local property owner.

After all sampling took place, the samples were turned in to the DHEC Laboratory at 4:50 p.m. on July 13, 1984. The laboratory custodian, John Wheeler, checked samples in, accepted custody of the samples, and signed the chain of custody form. The analysis run on all samples are tlashpoint, pH, metals (As, Ba, Cd, Cr, Pb, Mn, Hg, Ni, Se, Ag), volatile organics and acid-base-neutral extractables. The samples were held for E.P.

WCM:bes

cc: Gary Dukes, Low Country District Bob Sentelle



2/18/84 2/18/84

